

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058566.D
 Acq On : 7 Oct 2019 14:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:05:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	410970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	293653	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.57	113	212082	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.08	98	805078	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.41	95	307913	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	210519	46.717	ug/l	99
3) Chloromethane	2.04	50	264823	53.455	ug/l	100
4) Vinyl Chloride	2.17	62	246401	50.772	ug/l	99
5) Bromomethane	2.53	94	128618	49.895	ug/l	99
6) Chloroethane	2.68	64	158863	54.632	ug/l	98
7) Trichlorofluoromethane	2.99	101	343769	58.698	ug/l	99
8) Diethyl Ether	3.39	74	131330	51.973	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195308	49.104	ug/l	99
10) Methyl Iodide	3.93	142	188481	42.737	ug/l	99
11) Tert butyl alcohol	4.76	59	223925	335.629	ug/l	99
12) 1,1-Dichloroethene	3.71	96	185217	47.775	ug/l	99
13) Acrolein	3.58	56	67944	320.183	ug/l	97
14) Allyl chloride	4.30	41	378305	53.620	ug/l	97
15) Acrylonitrile	4.96	53	566633	291.409	ug/l	99
16) Acetone	3.79	43	582637	284.592	ug/l	99
17) Carbon Disulfide	4.03	76	498310	48.761	ug/l	98
18) Methyl Acetate	4.30	43	290355	56.389	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	735643	53.779	ug/l	98
20) Methylene Chloride	4.53	84	233049	49.327	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	209599	48.618	ug/l	99
22) Diisopropyl ether	5.93	45	805240	53.037	ug/l	98
23) Vinyl Acetate	5.87	43	3325556	290.498	ug/l	99
24) 1,1-Dichloroethane	5.82	63	445839	52.178	ug/l	100
25) 2-Butanone	6.82	43	804437	286.191	ug/l	99
26) 2,2-Dichloropropane	6.81	77	399560	56.880	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	251730	49.959	ug/l	99
28) Bromochloromethane	7.18	49	180501	52.847	ug/l	97
29) Tetrahydrofuran	7.19	42	502781	281.825	ug/l	100
30) Chloroform	7.36	83	450429	52.021	ug/l	99
31) Cyclohexane	7.63	56	379643	45.676	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	385897	54.273	ug/l	99
36) 1,1-Dichloropropene	7.78	75	323481	49.196	ug/l	99
37) Ethyl Acetate	6.91	43	323264	57.987	ug/l	100
38) Carbon Tetrachloride	7.76	117	327702	55.213	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	365503	47.600	ug/l	97
40) Benzene	8.03	78	972995	51.479	ug/l	99
41) Methacrylonitrile	7.19	41	476419	185.761	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	379761	51.644	ug/l	100
43) Isopropyl Acetate	8.15	43	569901	54.363	ug/l	99
44) Trichloroethene	8.82	130	239520	51.323	ug/l	97
45) 1,2-Dichloropropane	9.11	63	269652	53.196	ug/l	97
46) Dibromomethane	9.20	93	168775	52.575	ug/l	98
47) Bromodichloromethane	9.40	83	344514	56.643	ug/l	100
48) Methyl methacrylate	9.19	41	262466	54.984	ug/l	98
49) 1,4-Dioxane	9.19	88	91821	1438.569	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1654712	307.289	ug/l	99
52) Toluene	10.15	92	592624	49.814	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	398712	60.228	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	421873	57.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	243872	56.298	ug/l	99
56) Ethyl methacrylate	10.43	69	381401	58.025	ug/l	99
57) 1,3-Dichloropropane	10.71	76	419541	54.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	893837	341.031	ug/l	100
59) 2-Hexanone	10.75	43	1230010	313.698	ug/l	100
60) Dibromochloromethane	10.90	129	257510	57.489	ug/l	99
61) 1,2-Dibromoethane	11.00	107	249066	56.271	ug/l	99
64) Tetrachloroethene	10.63	164	205988	51.659	ug/l	98
65) Chlorobenzene	11.44	112	636336	51.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	241486	57.452	ug/l	100
67) Ethyl Benzene	11.51	91	1195966	52.927	ug/l	100
68) m/p-Xylenes	11.62	106	866982	101.976	ug/l	97
69) o-Xylene	11.95	106	423165	51.705	ug/l	97
70) Styrene	11.97	104	706451	53.134	ug/l	99
71) Bromoform	12.13	173	168920	58.040	ug/l #	100
73) Isopropylbenzene	12.25	105	1151078	52.110	ug/l	100
74) N-amyl acetate	12.07	43	515016	58.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	354874	54.329	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	468306	85.779	ug/l #	100
77) Bromobenzene	12.53	156	268372	51.814	ug/l	97
78) n-propylbenzene	12.60	91	1356082	54.491	ug/l	100
79) 2-Chlorotoluene	12.68	91	803093	52.282	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	982728	53.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113662	63.231	ug/l	96
82) 4-Chlorotoluene	12.78	91	833841	53.199	ug/l	99
83) tert-Butylbenzene	13.00	119	820401	52.579	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	983871	53.106	ug/l	99
85) sec-Butylbenzene	13.18	105	1105038	53.808	ug/l	100
86) p-Isopropyltoluene	13.30	119	999198	55.273	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	489351	52.104	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	481390	51.517	ug/l	99
89) n-Butylbenzene	13.62	91	906860	55.380	ug/l	100
90) Hexachloroethane	13.88	117	171535	63.155	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	483121	53.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	71490	62.064	ug/l	96

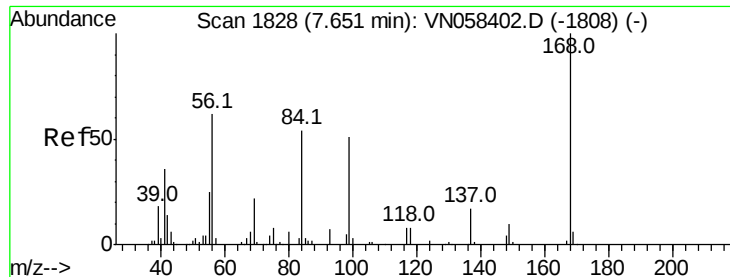
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	288279	57.811	ug/l	100
94) Hexachlorobutadiene	15.02	225	130039	50.736	ug/l	99
95) Naphthalene	15.13	128	799412	54.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	263257	52.659	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

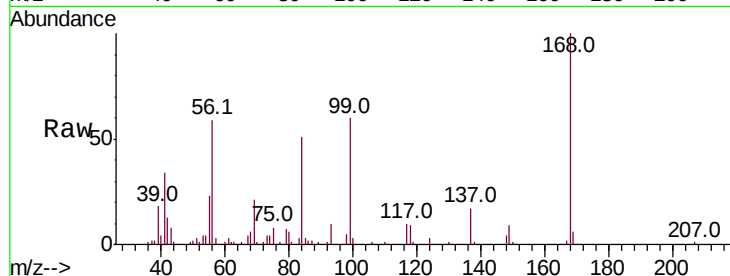
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 410970

Ion Ratio Lower Upper

168 100

99 59.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

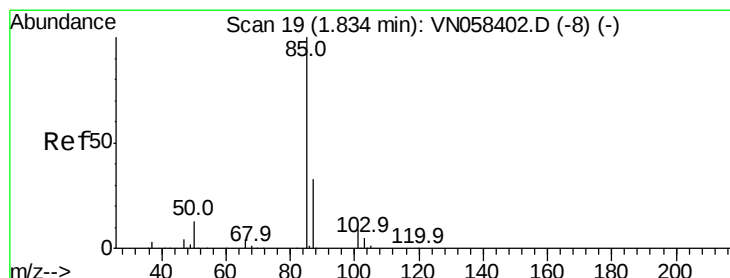
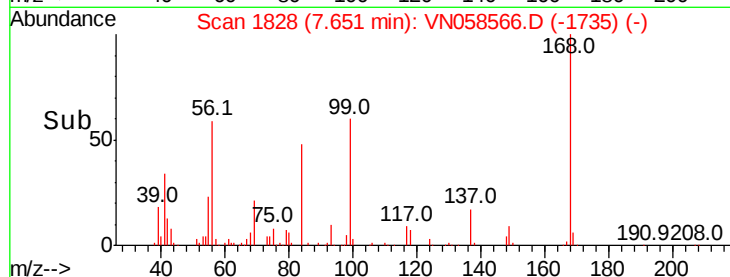
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.717 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058566.D

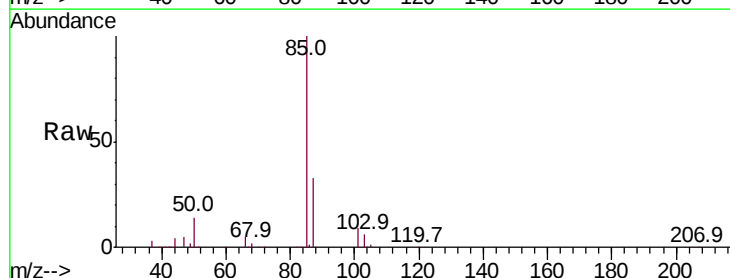
Acq: 7 Oct 2019 14:46

Tgt Ion: 85 Resp: 210519

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

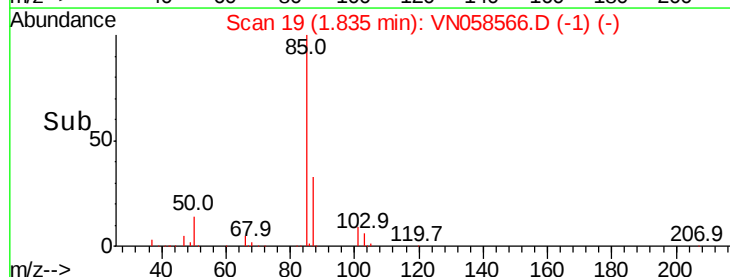
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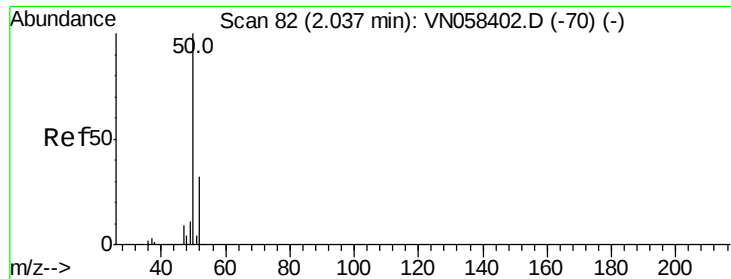
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 53.455 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

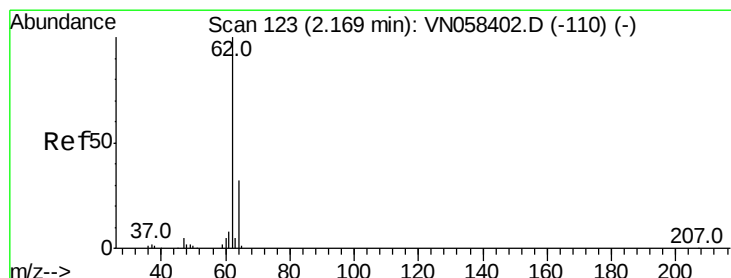
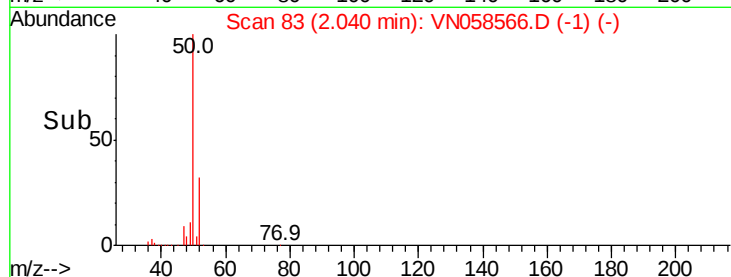
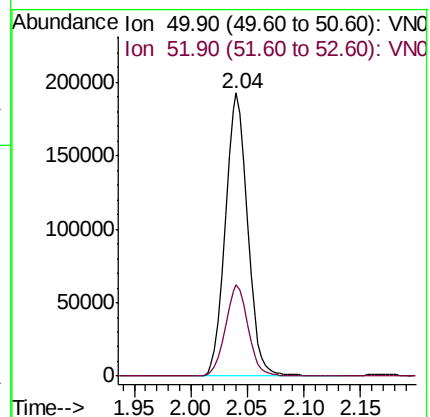
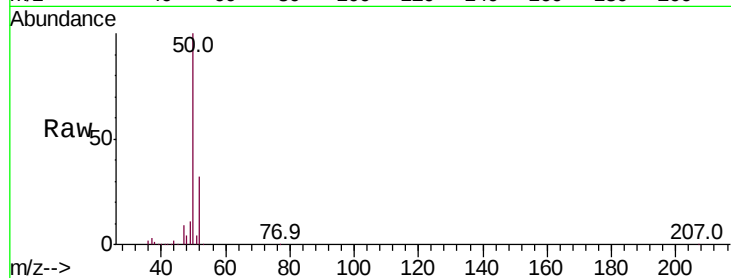
ClientSampleId :

Tot Ion: 50 Resp: 264823

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



#4

Vinyl Chloride

Concen: 50.772 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058566.D

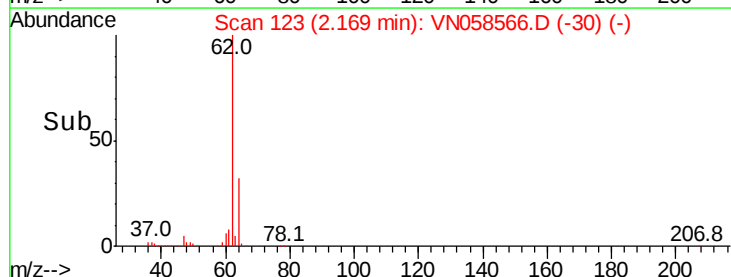
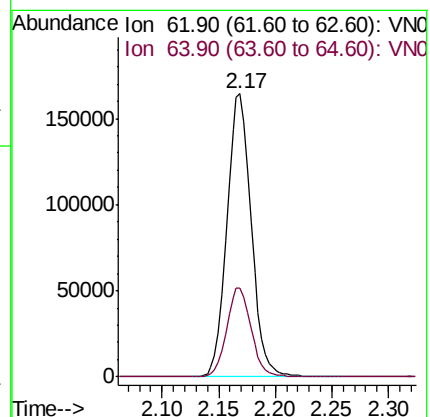
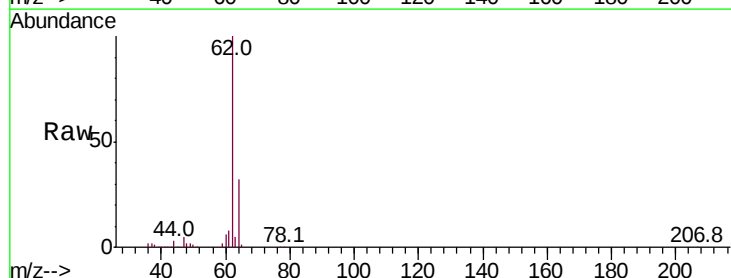
Acq: 7 Oct 2019 14:46

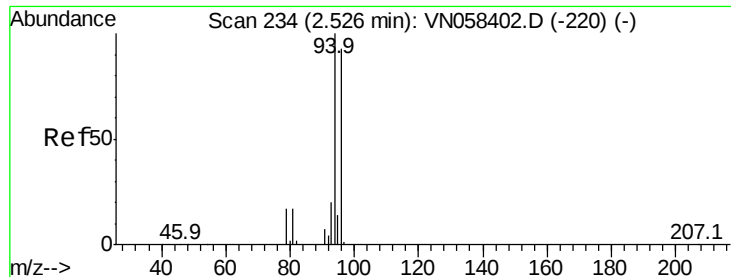
Tgt Ion: 62 Resp: 246401

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 49.895 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

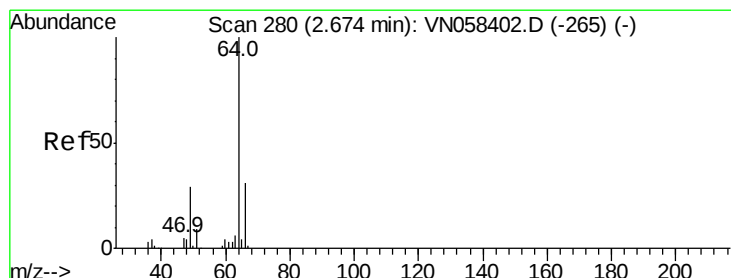
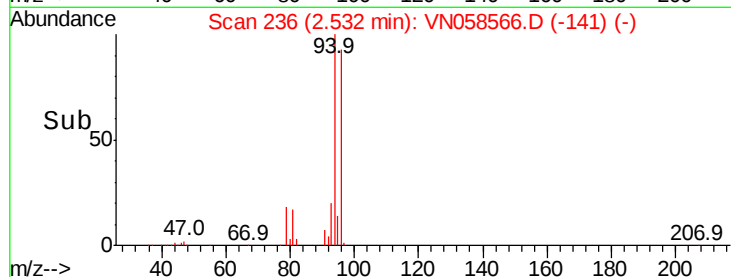
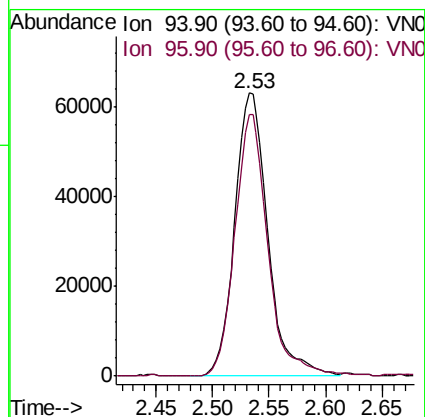
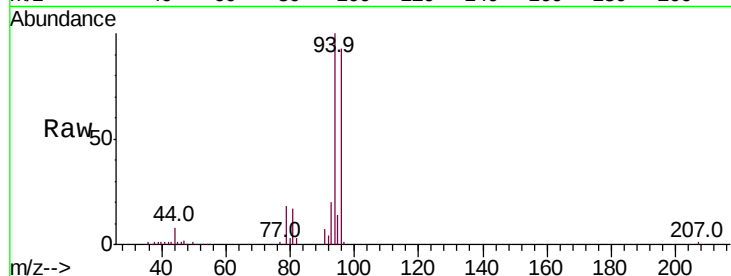
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 128618

Ion Ratio Lower Upper

94 100

96 92.6 74.8 112.2



#6

Chloroethane

Concen: 54.632 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN058566.D

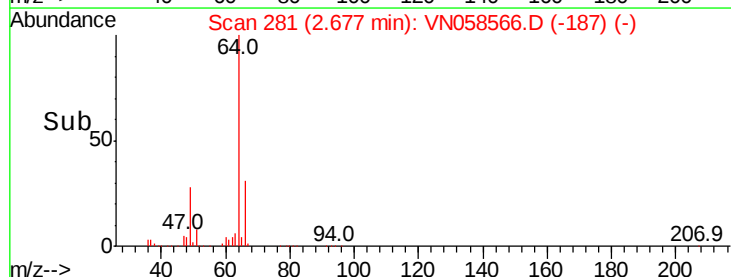
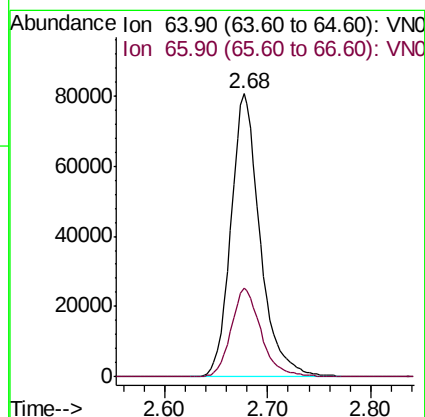
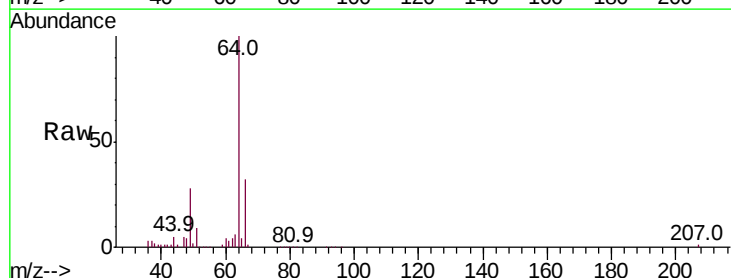
Acq: 7 Oct 2019 14:46

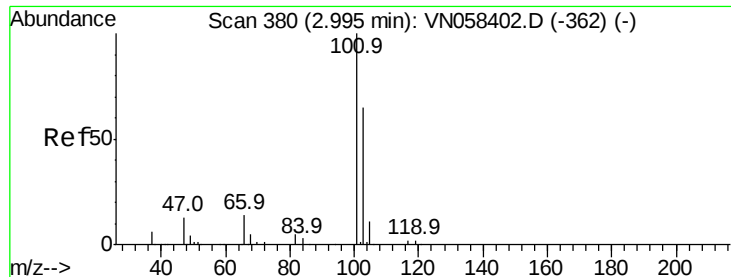
Tgt Ion: 64 Resp: 158863

Ion Ratio Lower Upper

64 100

66 31.6 24.4 36.6



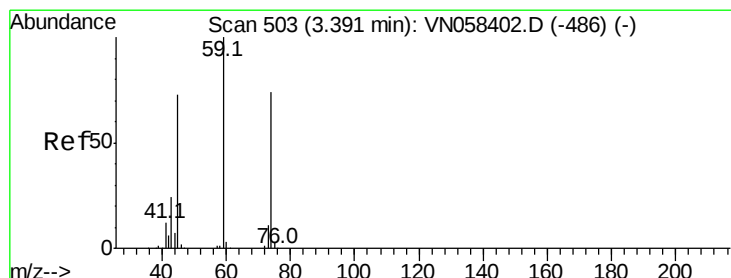
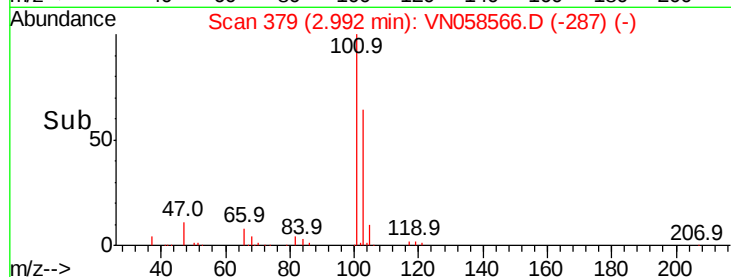
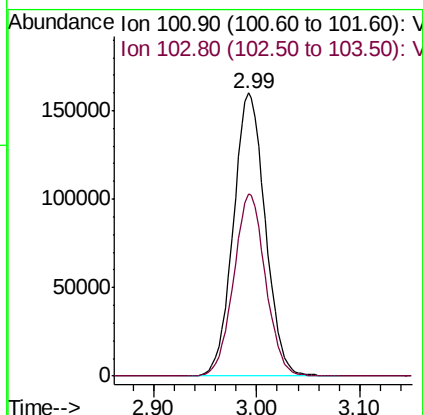
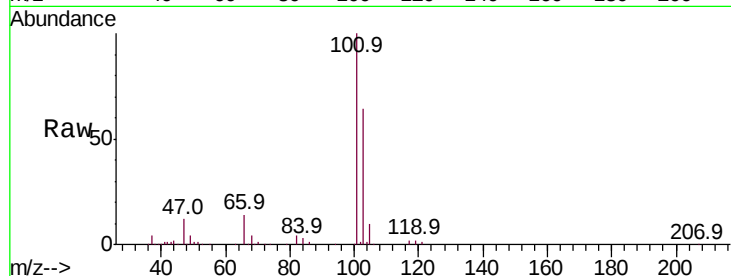


#7

Trichlorofluoromethane
 Concen: 58.698 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :

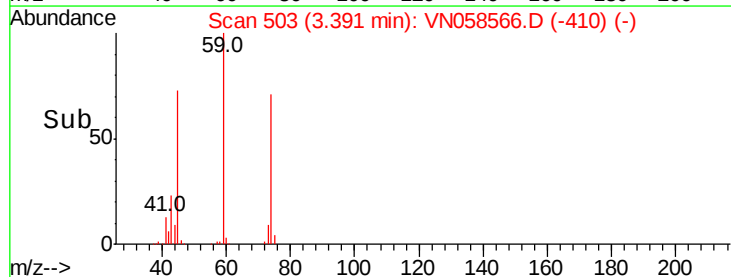
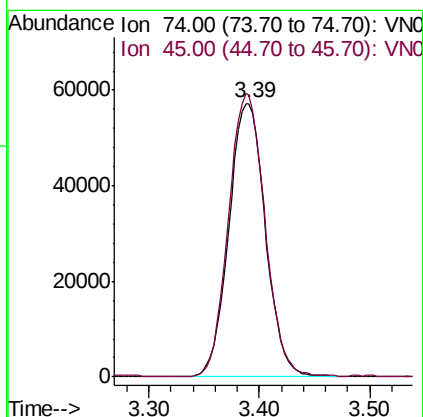
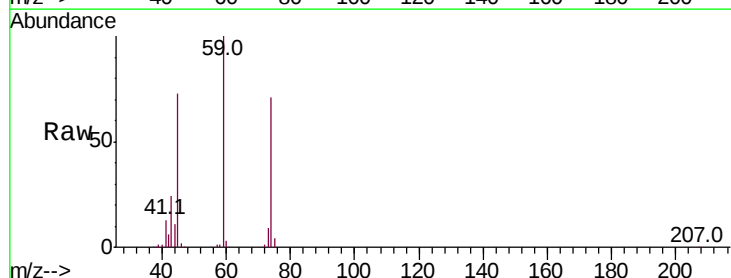
Tot Ion:101 Resp: 343769
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.3 78.5

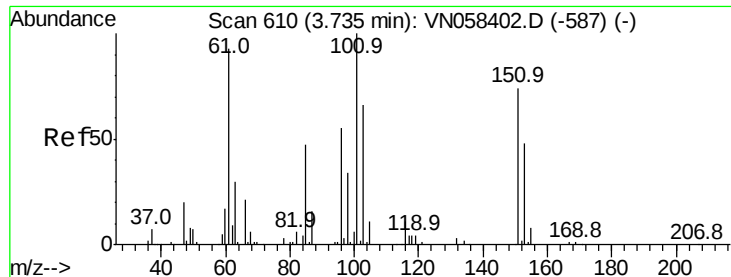


#8

Diethyl Ether
 Concen: 51.973 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion: 74 Resp: 131330
 Ion Ratio Lower Upper
 74 100
 45 102.7 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.104 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

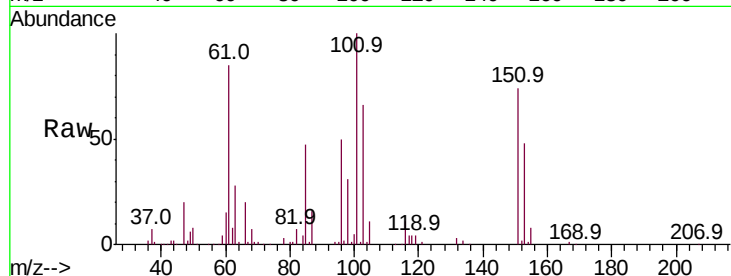
Tot Ion:101 Resp: 195308

Ion Ratio Lower Upper

101 100

85 47.2 36.7 55.1

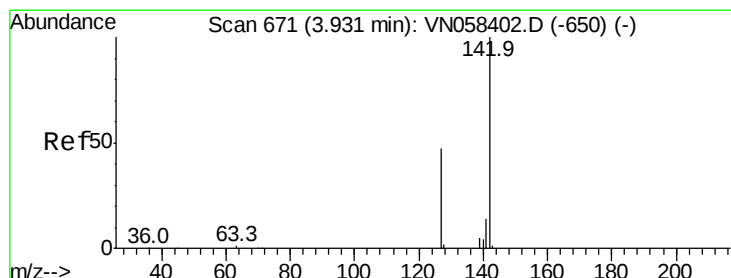
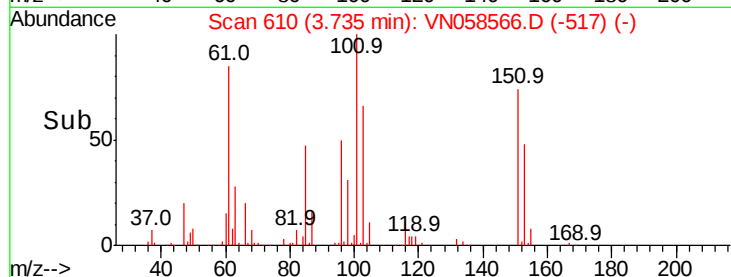
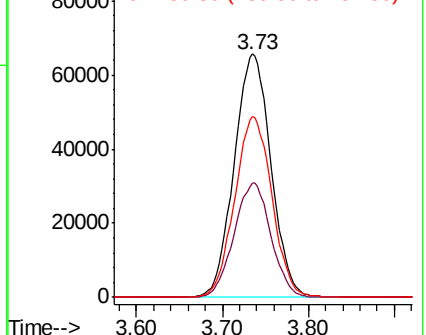
151 75.1 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.737 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

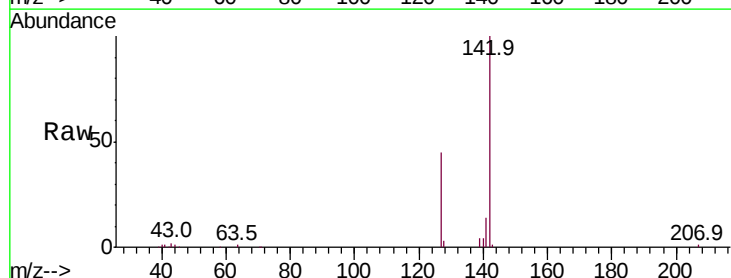
Tgt Ion:142 Resp: 188481

Ion Ratio Lower Upper

142 100

127 46.0 37.2 55.8

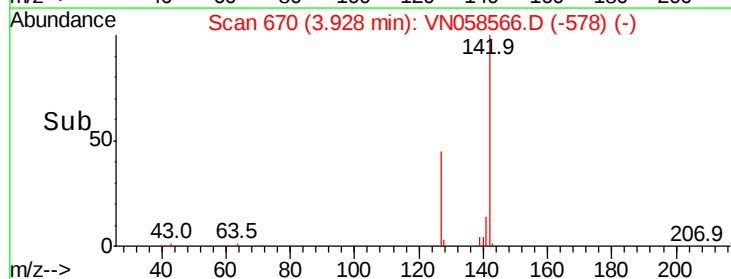
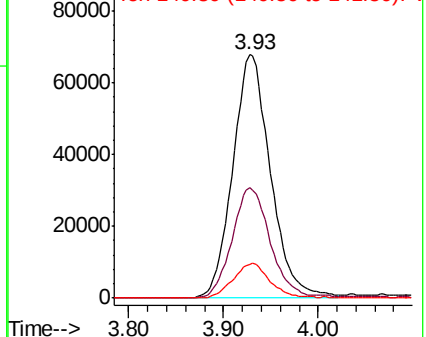
141 14.0 11.3 16.9

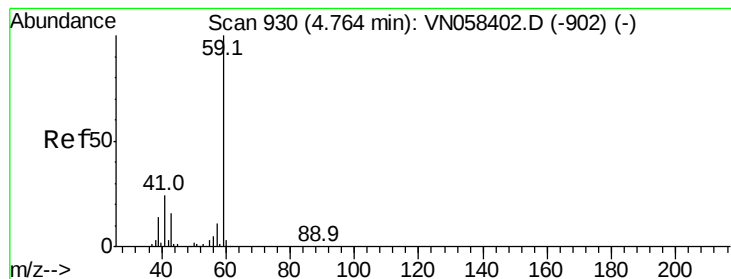


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



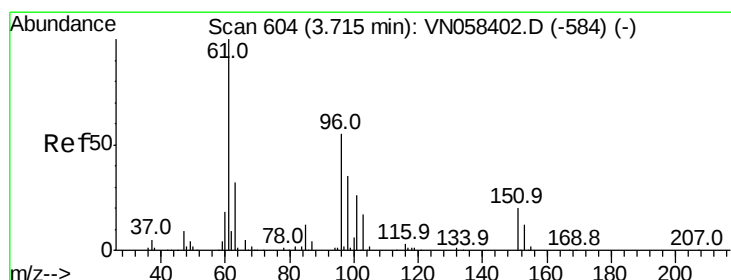
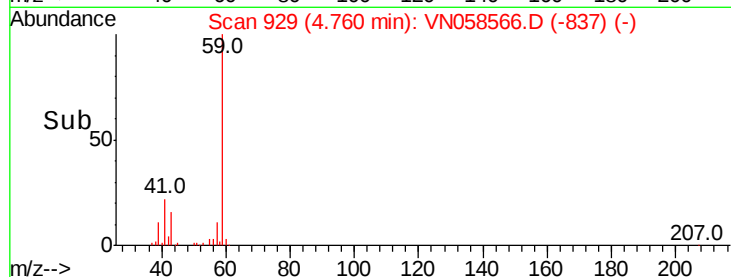
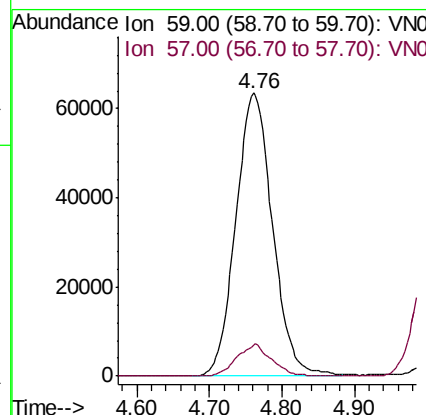
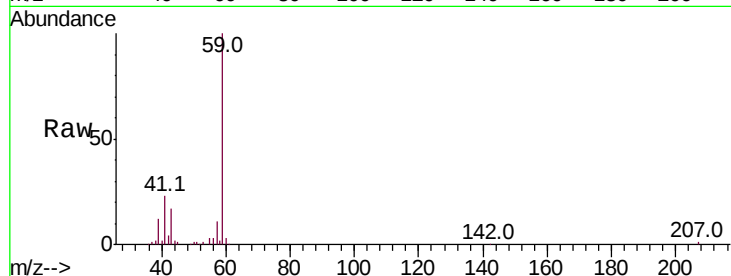


#11

Tert butyl alcohol
Concen: 335.629 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

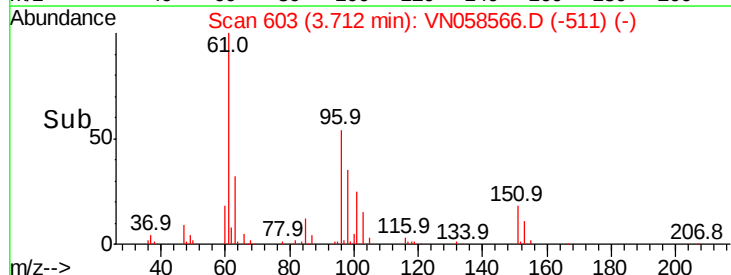
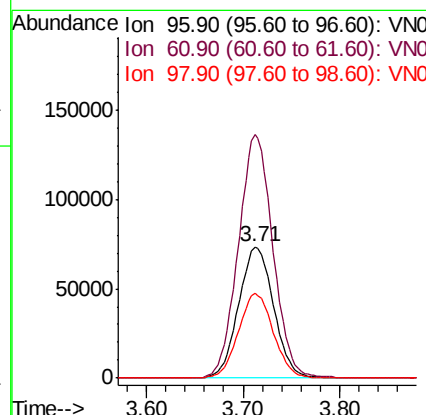
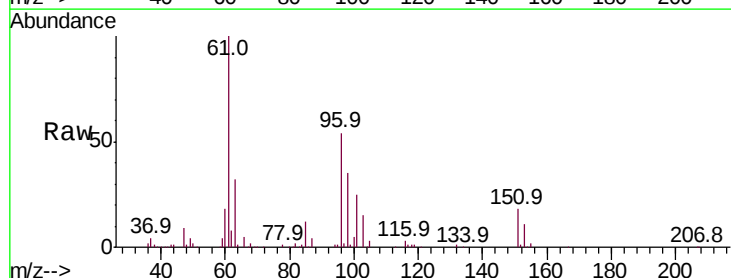
Tot Ion: 59 Resp: 223925
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.4

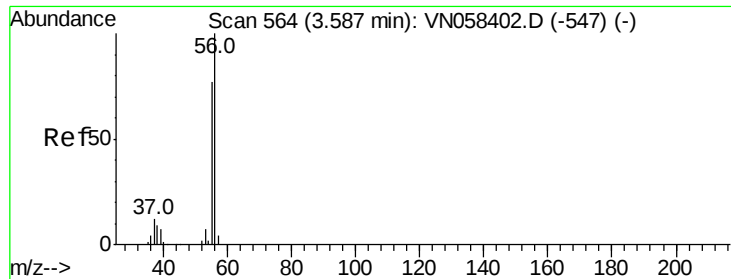


#12

1,1-Dichloroethene
Concen: 47.775 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 96 Resp: 185217
Ion Ratio Lower Upper
96 100
61 185.0 146.7 220.1
98 64.2 51.3 76.9





#13

Acrolein

Concen: 320.183 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

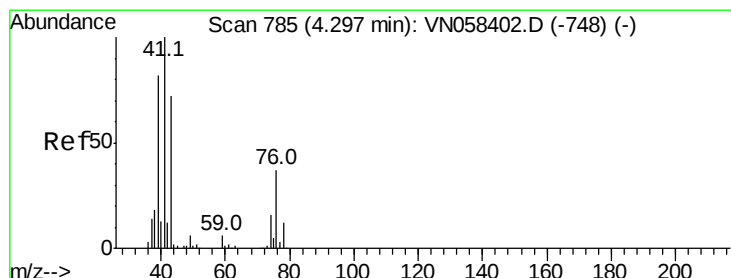
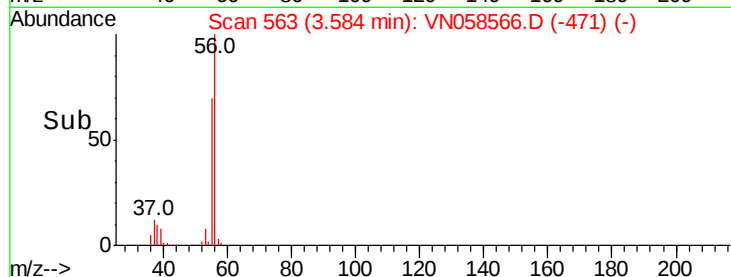
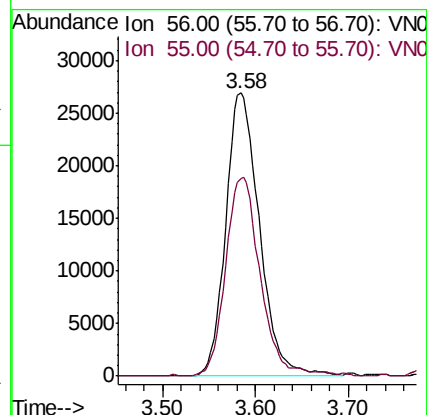
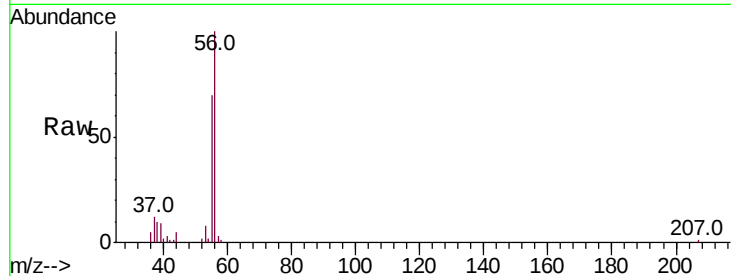
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 67944

Ion Ratio Lower Upper

56 100

55 70.3 58.3 87.5



#14

Allyl chloride

Concen: 53.620 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

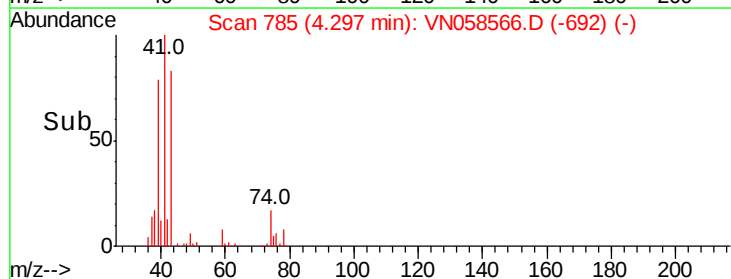
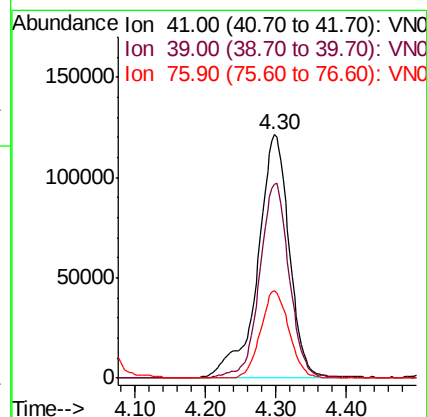
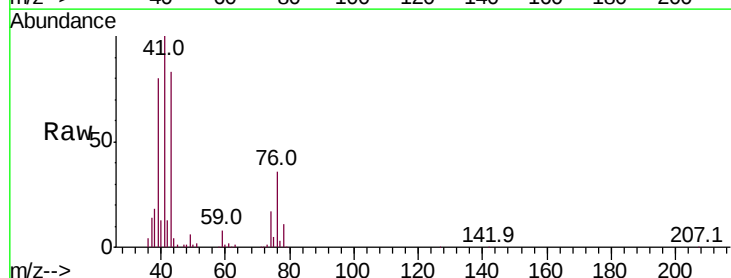
Tgt Ion: 41 Resp: 378305

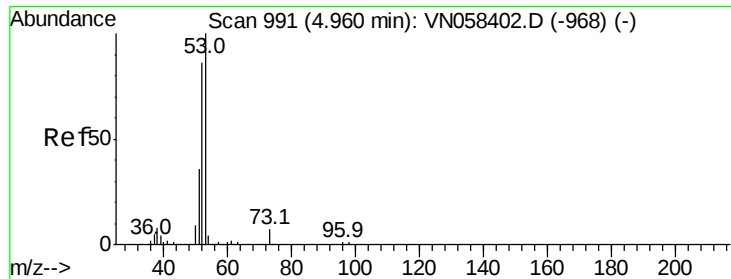
Ion Ratio Lower Upper

41 100

39 74.5 62.3 93.5

76 32.5 26.9 40.3





#15

Acrylonitrile

Concen: 291.409 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

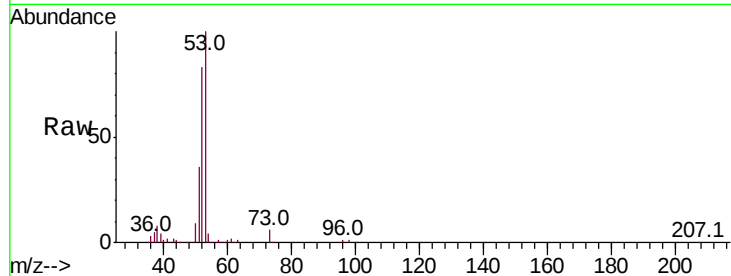
Tot Ion: 53 Resp: 566633

Ion Ratio Lower Upper

53 100

52 82.5 66.6 100.0

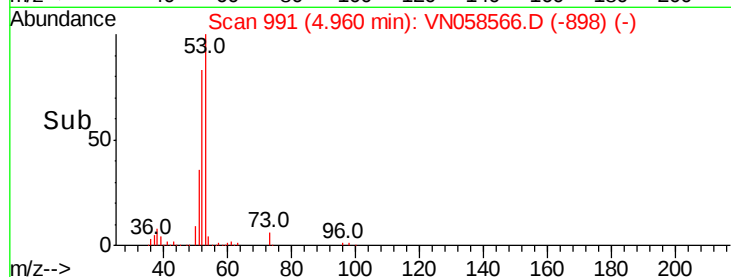
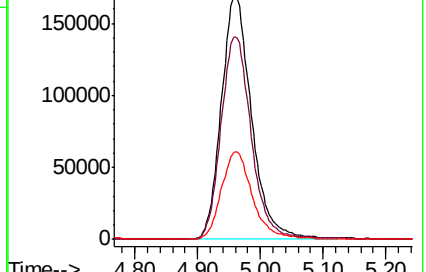
51 37.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058402.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058402.D (-968) (-)



#16

Acetone

Concen: 284.592 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058566.D

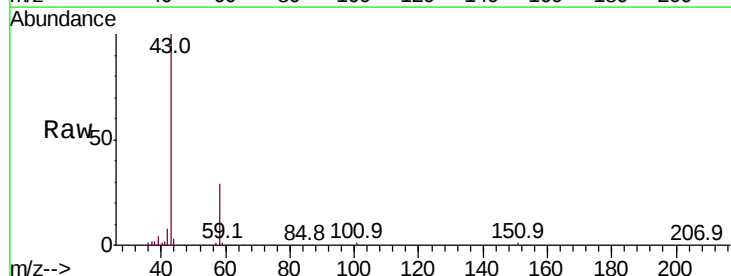
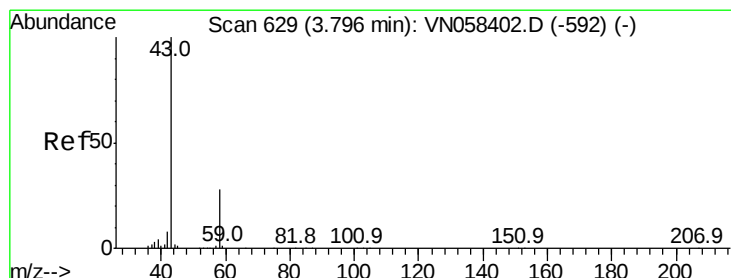
Acq: 7 Oct 2019 14:46

Tgt Ion: 43 Resp: 582637

Ion Ratio Lower Upper

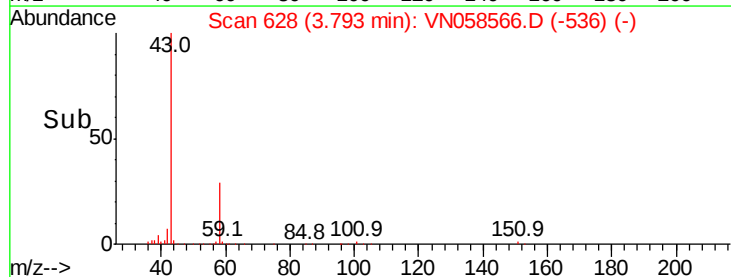
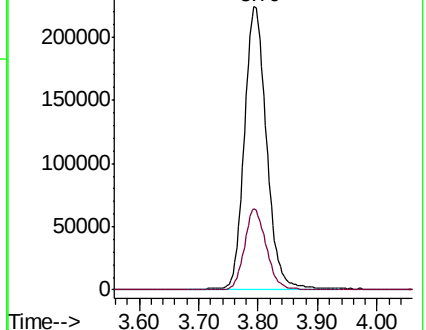
43 100

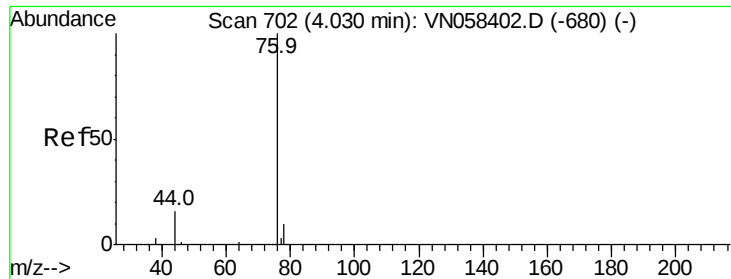
58 28.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-592) (-)

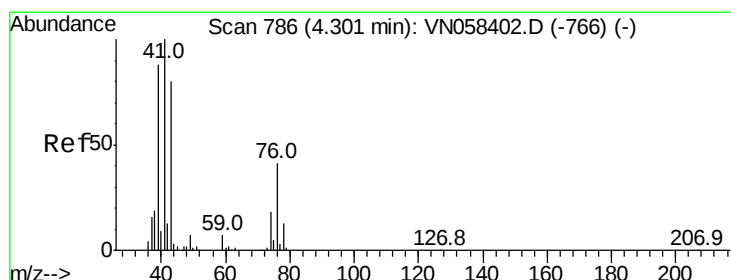
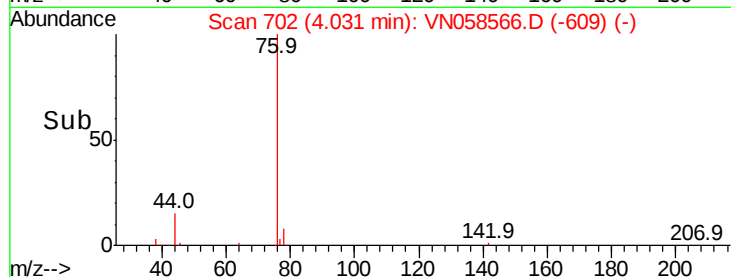
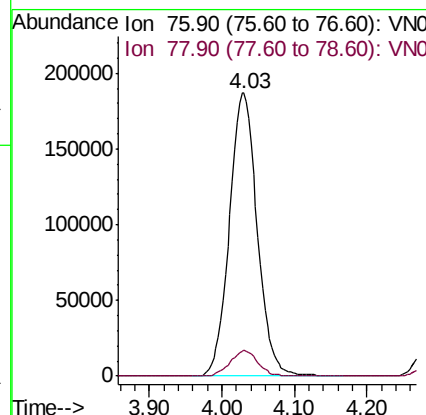
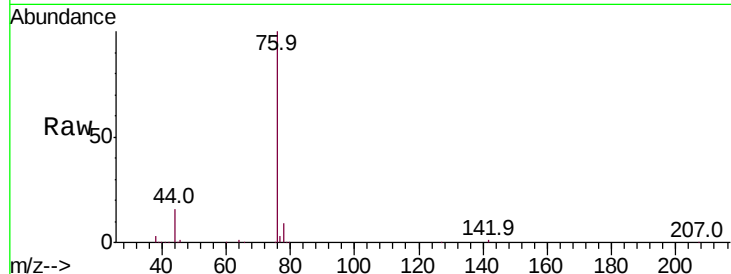




#17
Carbon Disulfide
Concen: 48.761 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

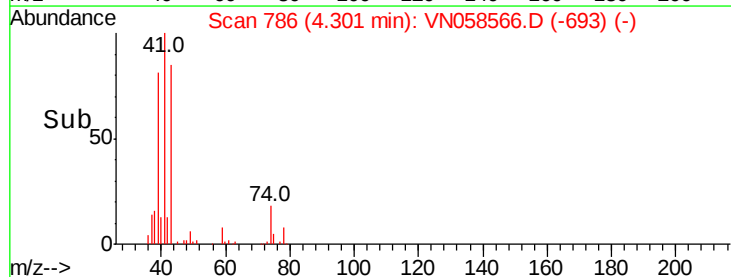
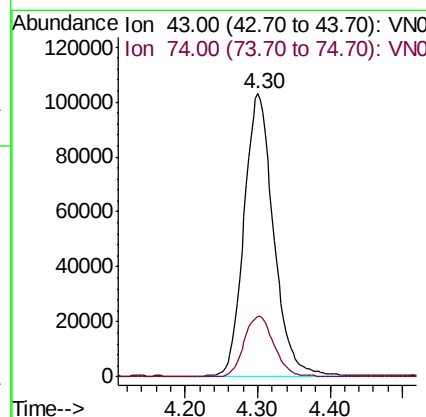
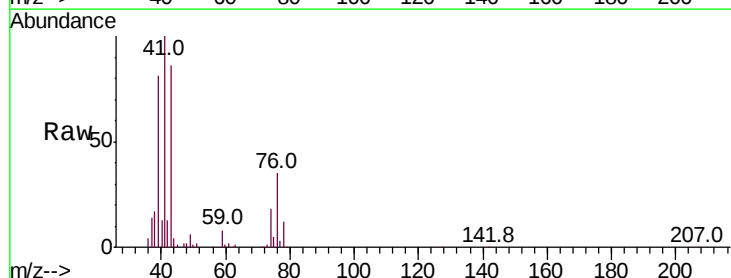
Instrument :
MSVOA_N
ClientSampled :

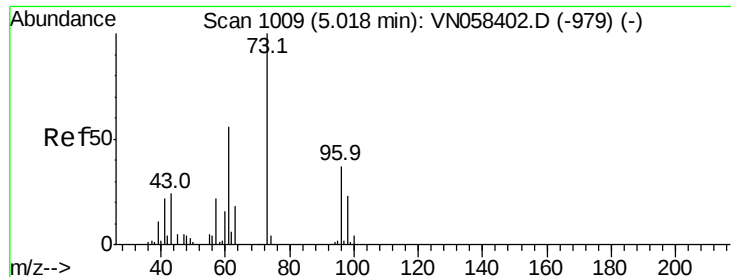
Tot Ion: 76 Resp: 498310
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5



#18
Methyl Acetate
Concen: 56.389 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 43 Resp: 290355
Ion Ratio Lower Upper
43 100
74 22.0 18.0 27.0

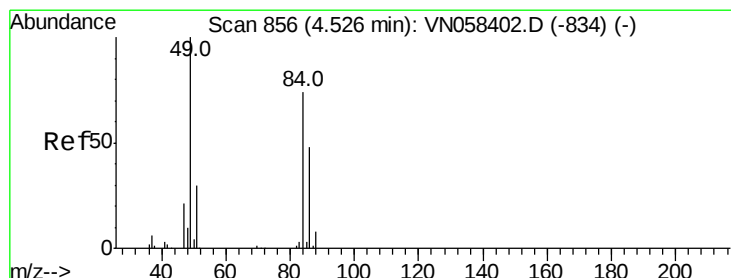
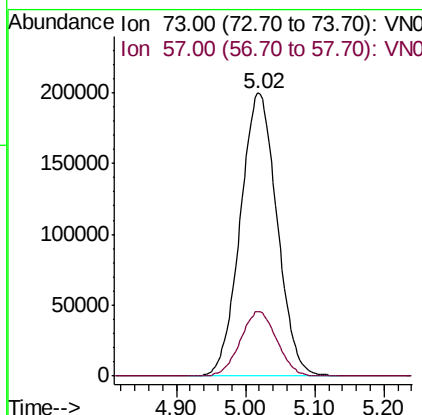
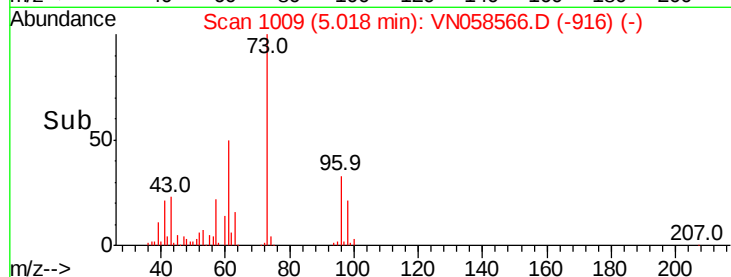
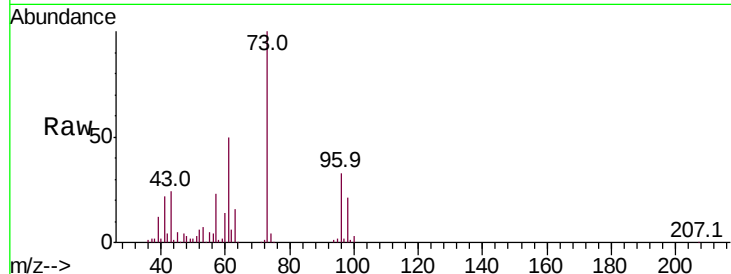




#19
Methvl tert-butvl Ether
Concen: 53.779 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

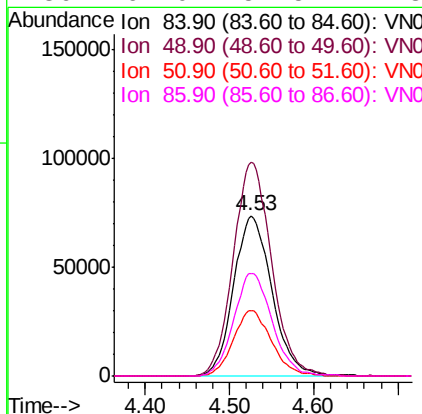
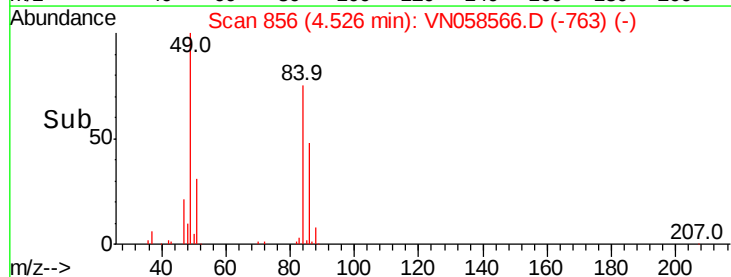
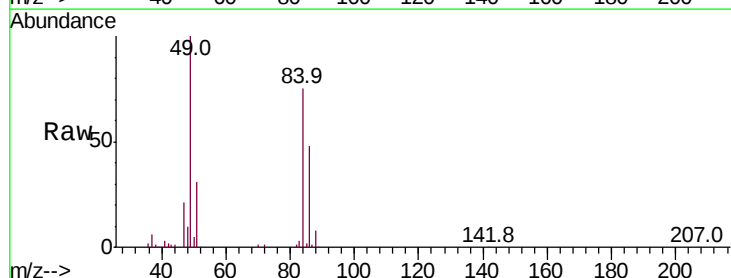
Instrument :
MSVOA_N
ClientSampleId :

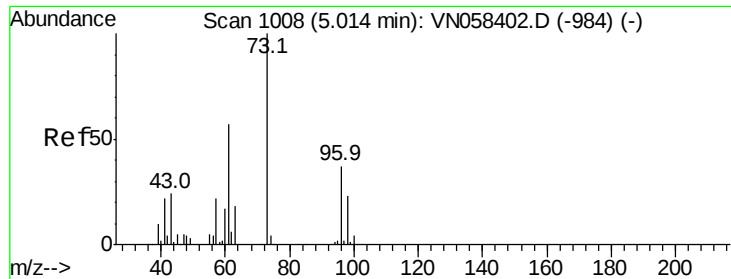
Tot Ion: 73 Resp: 735643
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4



#20
Methylene Chloride
Concen: 49.327 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 84 Resp: 233049
Ion Ratio Lower Upper
84 100
49 133.1 107.9 161.9
51 41.1 32.8 49.2
86 64.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.618 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

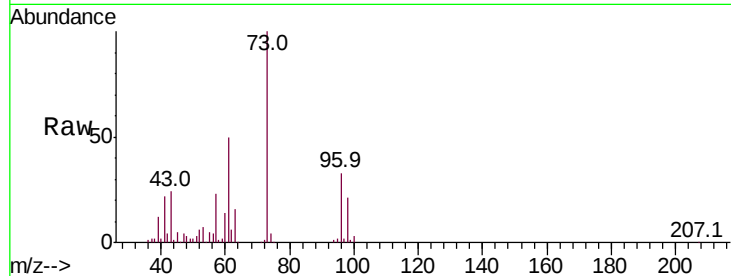
Tot Ion: 96 Resp: 209599

Ion Ratio Lower Upper

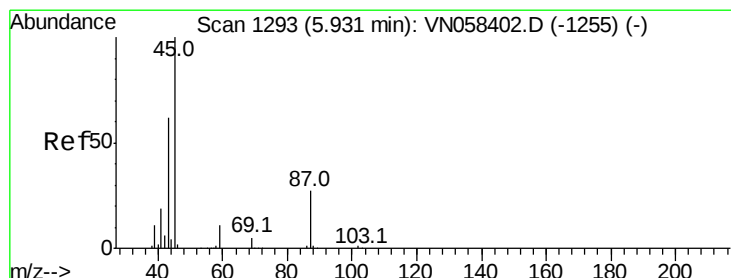
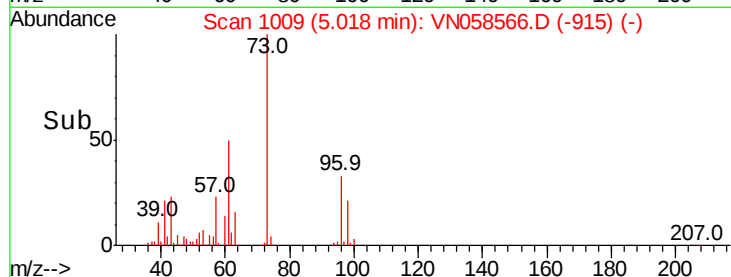
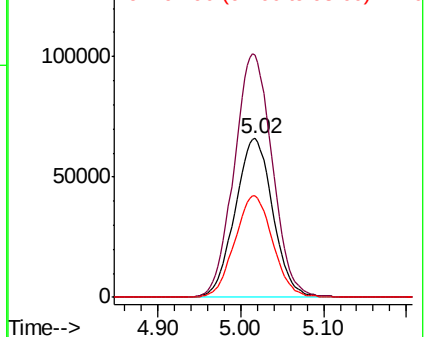
96 100

61 152.3 121.9 182.9

98 64.1 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 53.037 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion: 45 Resp: 805240

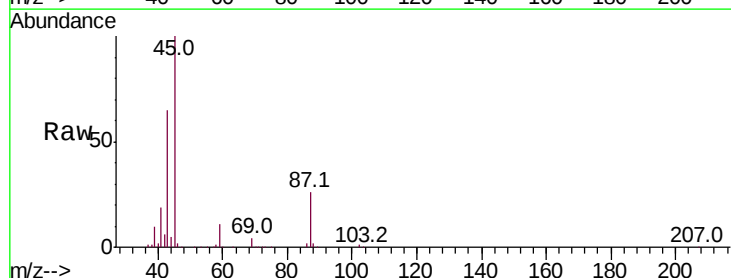
Ion Ratio Lower Upper

45 100

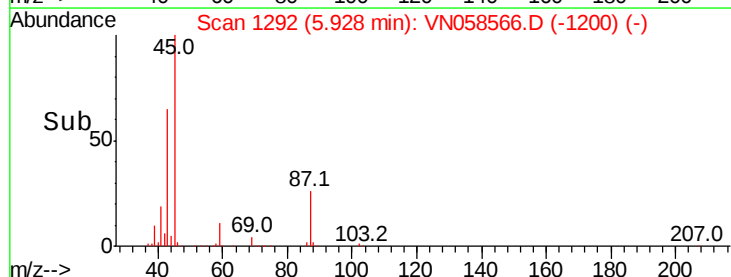
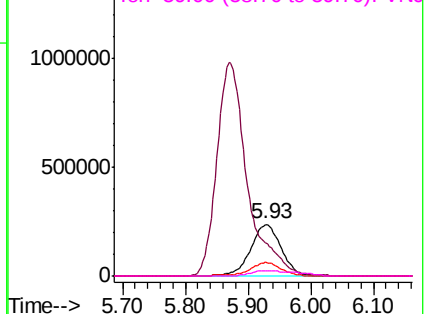
43 64.0 49.7 74.5

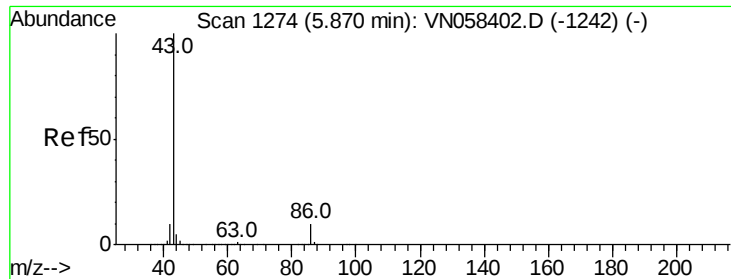
87 26.2 21.5 32.3

59 11.0 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

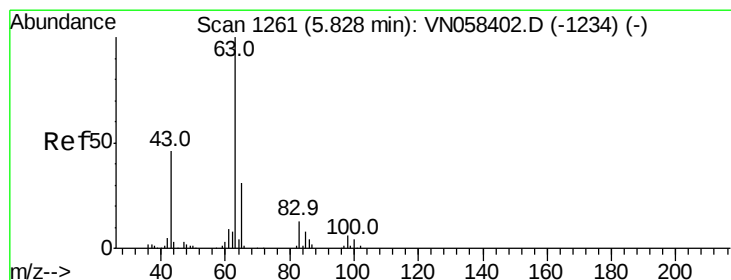
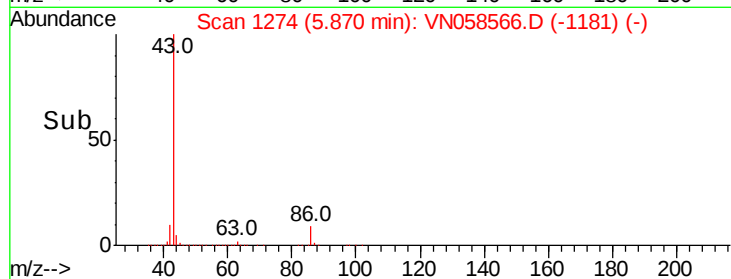
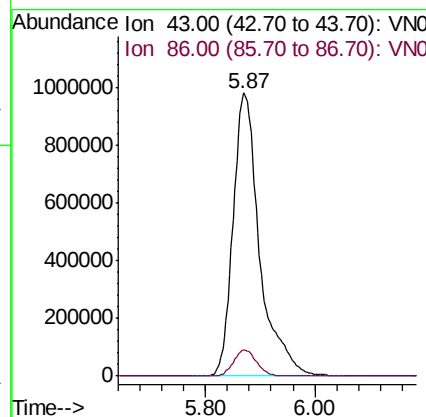
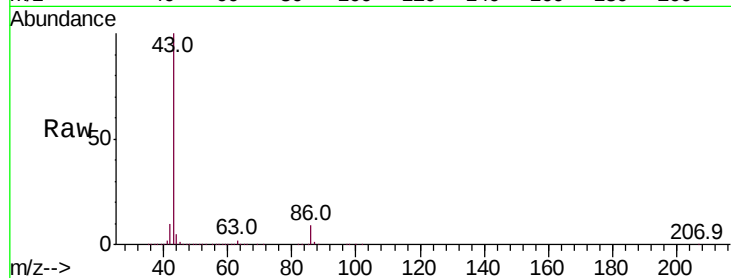




#23
 Vinyl Acetate
 Concen: 290.498 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

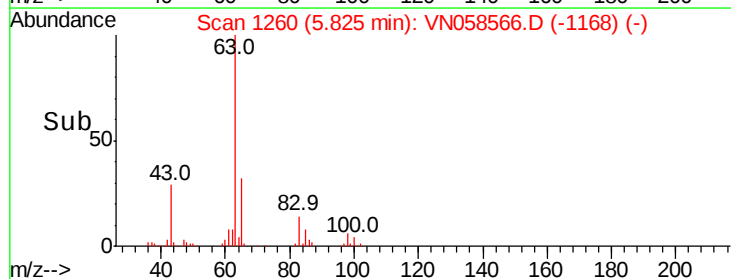
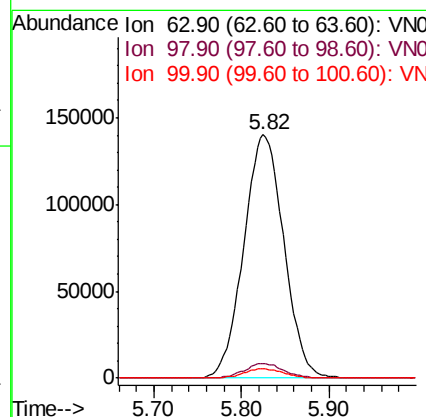
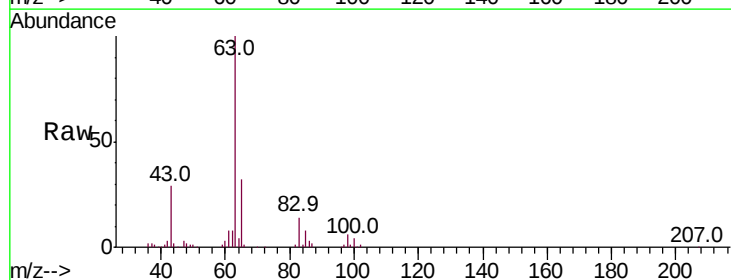
Instrument :
 MSVOA_N
 ClientSampled :

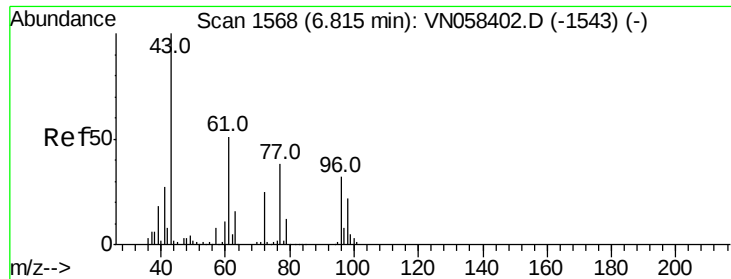
Tot Ion: 43 Resp: 332556
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 52.178 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion: 63 Resp: 445839
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 286.191 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

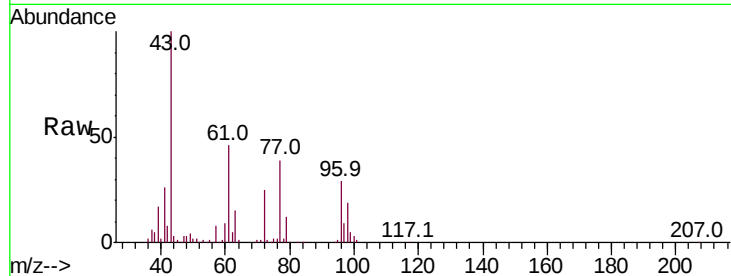
ClientSampled :

Tot Ion: 43 Resp: 804437

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

300000

250000

200000

150000

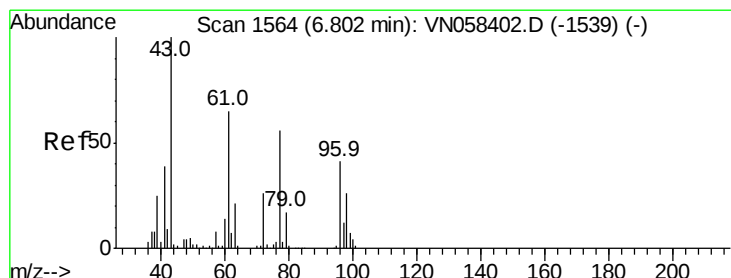
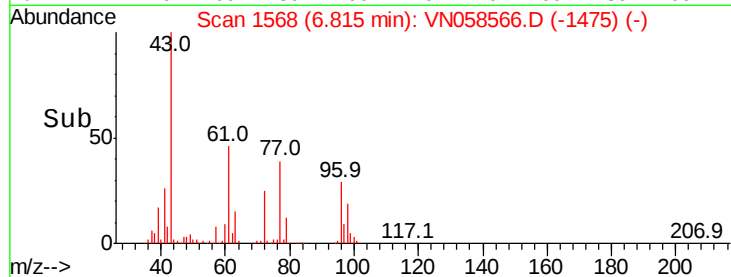
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 56.880 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058566.D

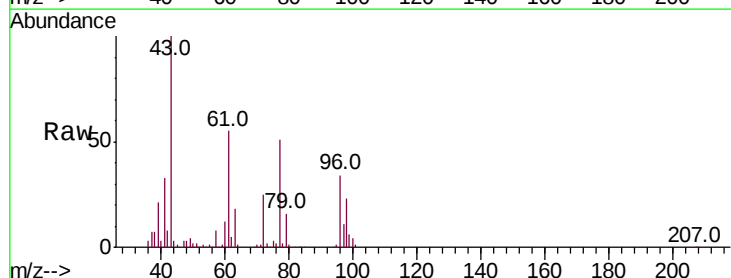
Acq: 7 Oct 2019 14:46

Tgt Ion: 77 Resp: 399560

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

150000

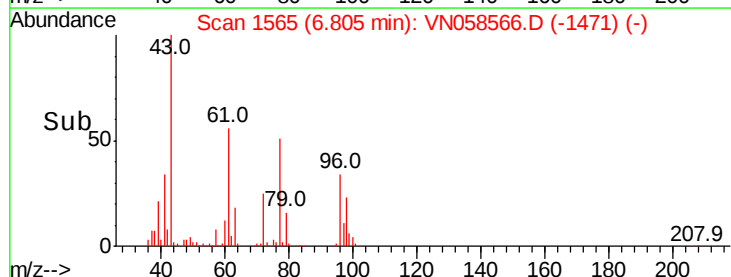
100000

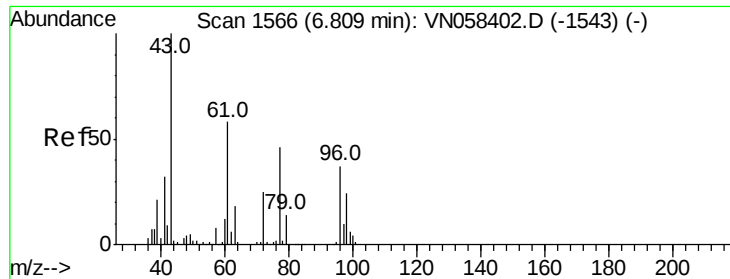
50000

0

6.70 6.80 6.90

Time-->

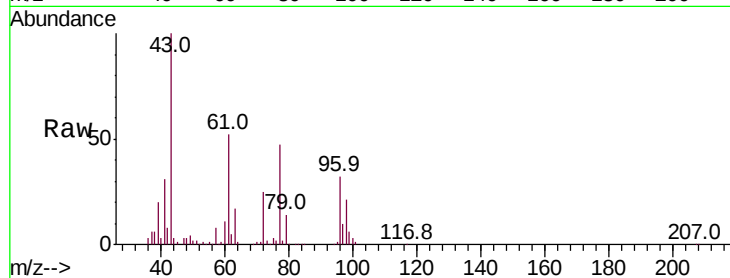




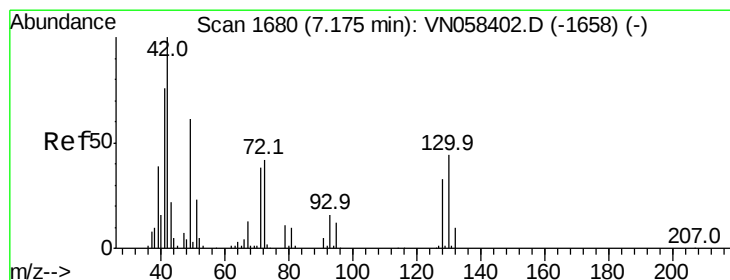
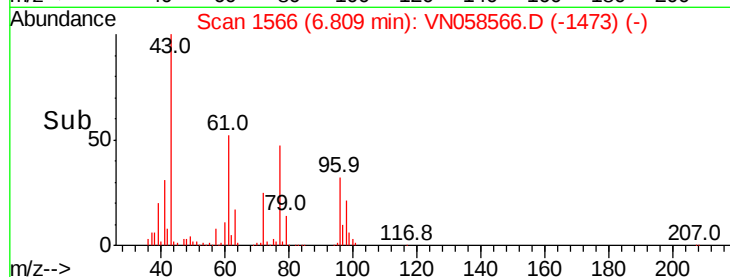
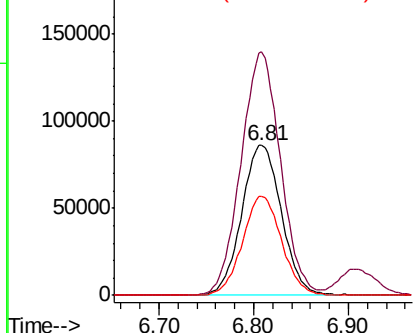
#27
 cis-1,2-Dichloroethene
 Concen: 49.959 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	318.8
98	65.0	0.0	129.8

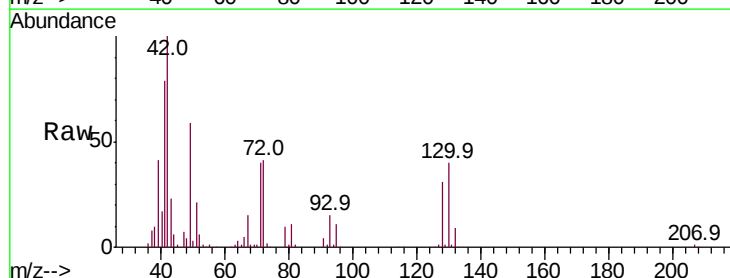


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

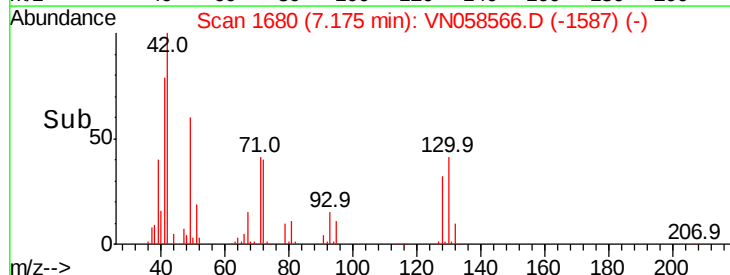
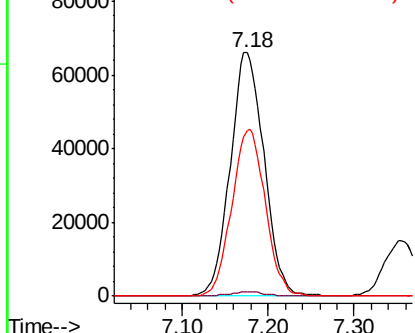


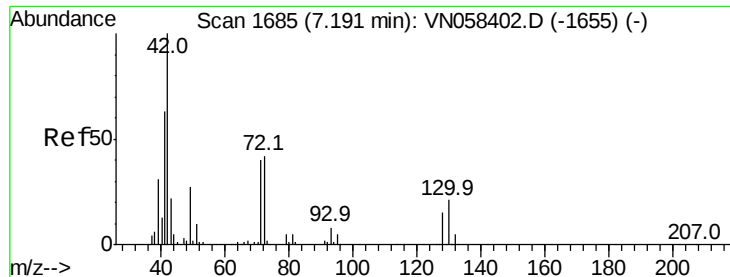
#28
 Bromochloromethane
 Concen: 52.847 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	67.6	56.3	84.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 281.825 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

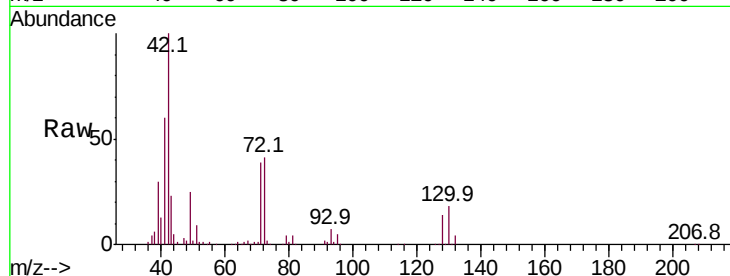
Tot Ion: 42 Resp: 502781

Ion Ratio Lower Upper

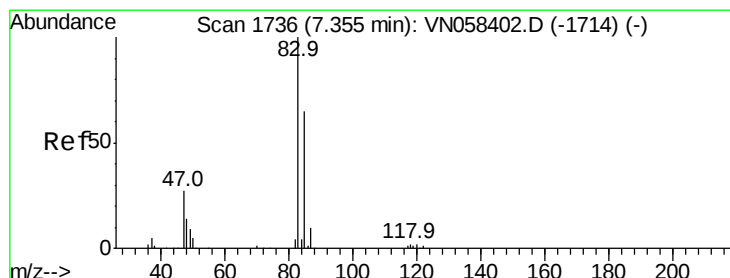
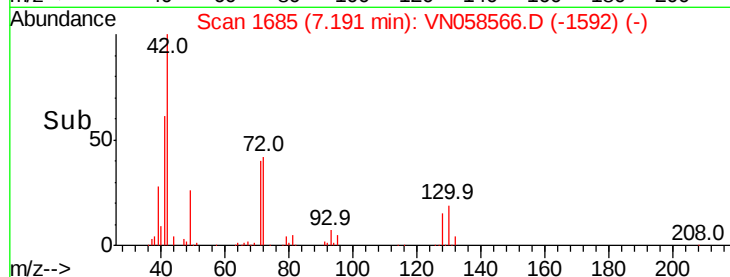
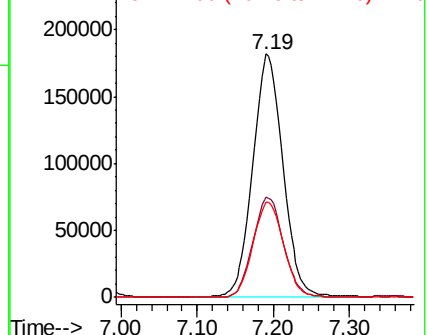
42 100

72 41.6 33.7 50.5

71 39.7 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 52.021 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058566.D

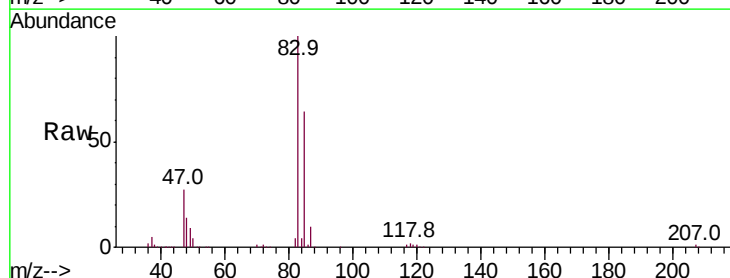
Acq: 7 Oct 2019 14:46

Tgt Ion: 83 Resp: 450429

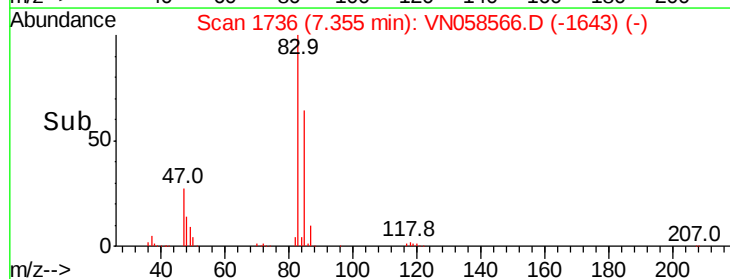
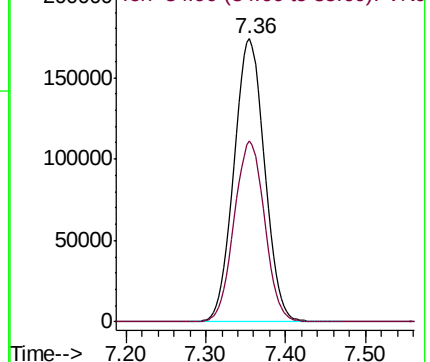
Ion Ratio Lower Upper

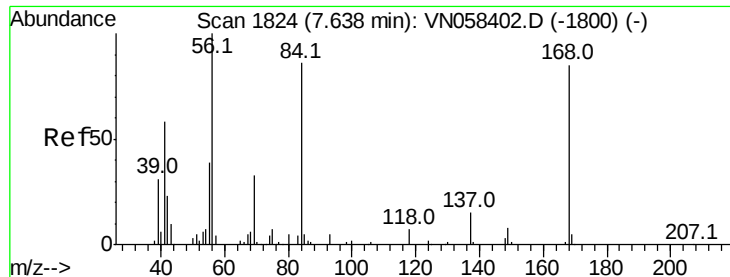
83 100

85 64.0 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

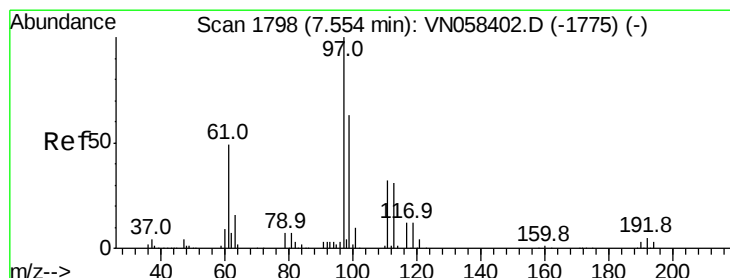
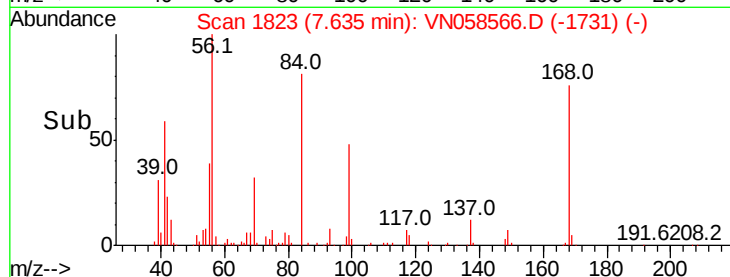
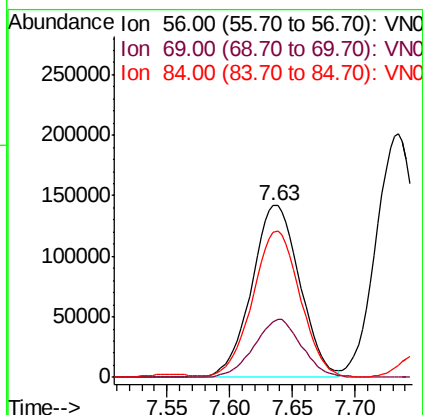
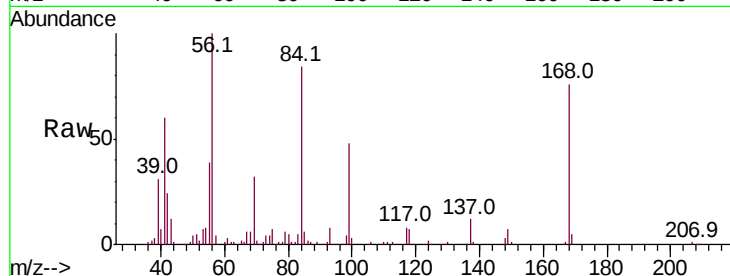




#31
Cyclohexane
Concen: 45.676 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

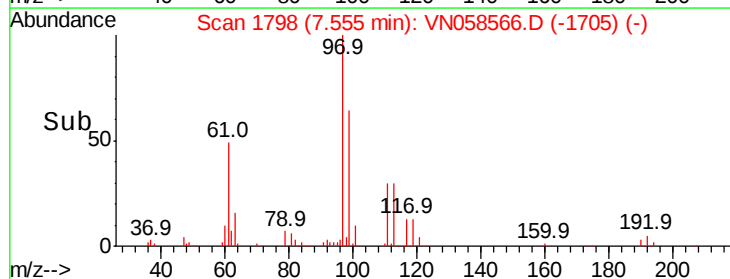
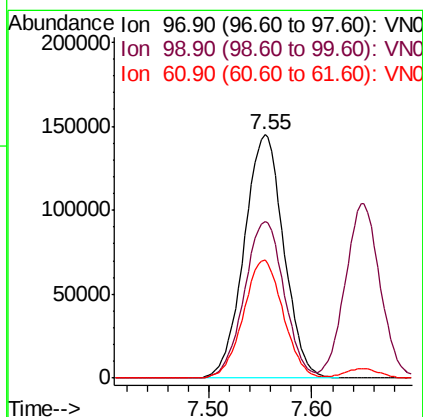
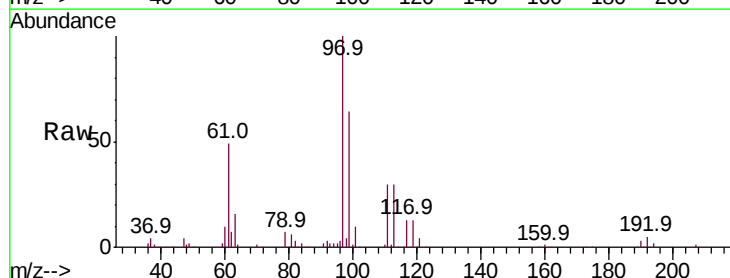
Instrument :
MSVOA_N
ClientSampled :

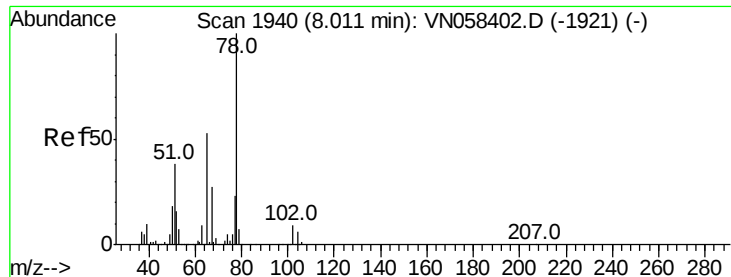
Tot Ion: 56 Resp: 379643
Ion Ratio Lower Upper
56 100
69 32.1 26.2 39.4
84 83.1 67.6 101.4



#32
1,1,1-Trichloroethane
Concen: 54.273 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 97 Resp: 385897
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 48.7 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 48.896 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

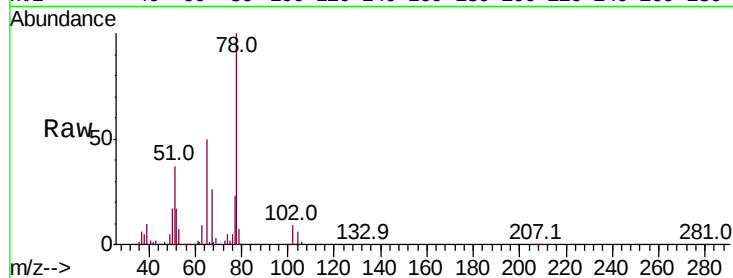
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 293653

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

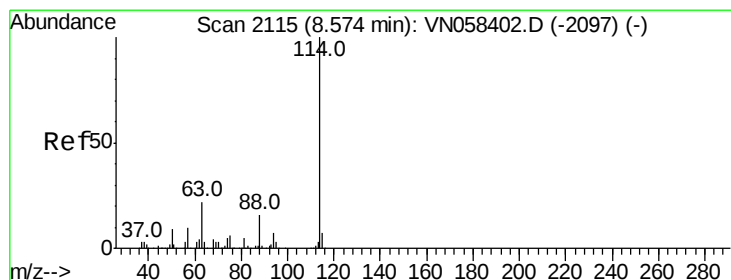
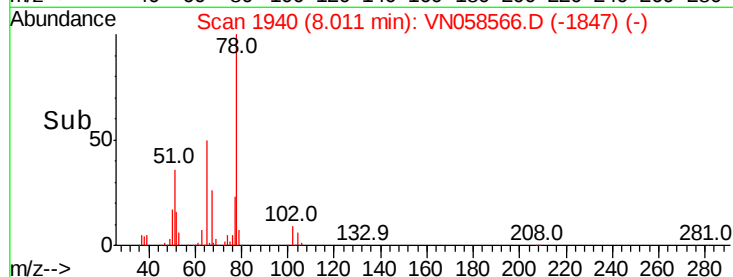
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

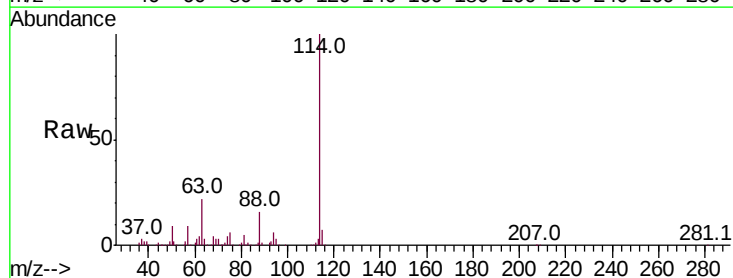
Tgt Ion: 114 Resp: 687661

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.0

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

400000

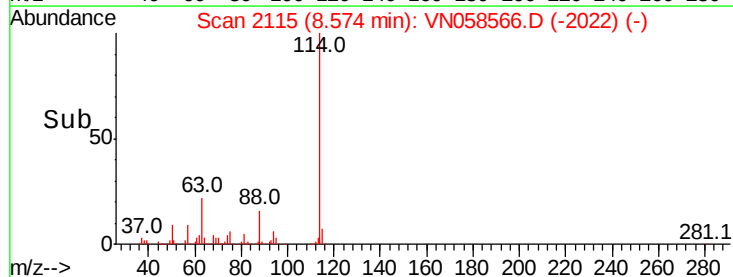
300000

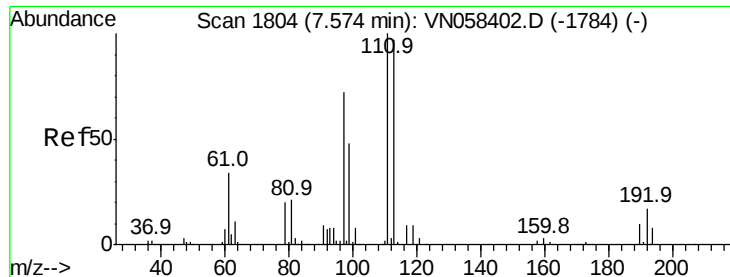
200000

100000

0

Time--> 8.50 8.60 8.70

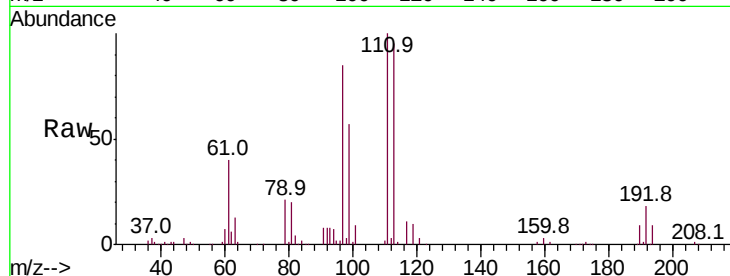




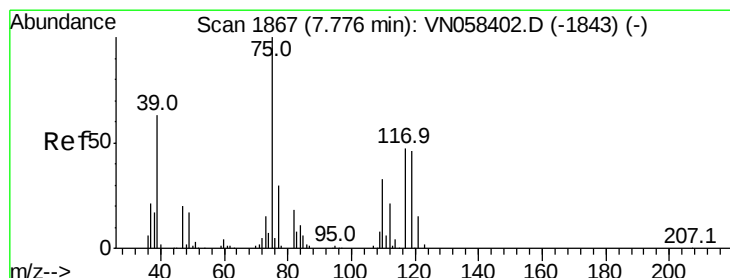
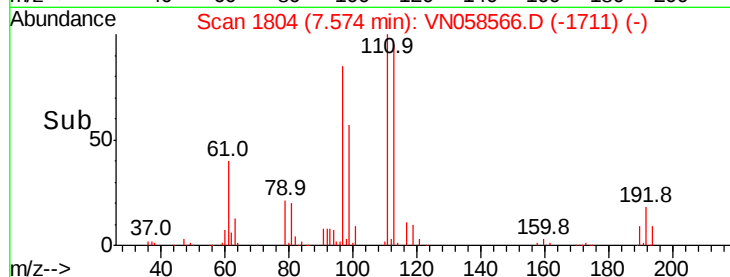
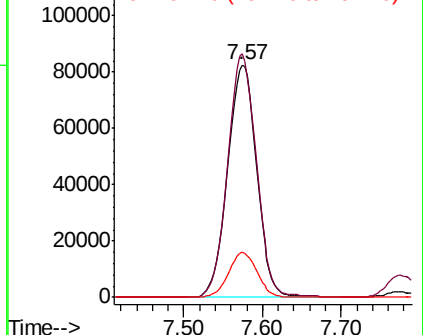
#35
 Dibromofluoromethane
 Concen: 50.321 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 212082
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 19.0 14.9 22.3

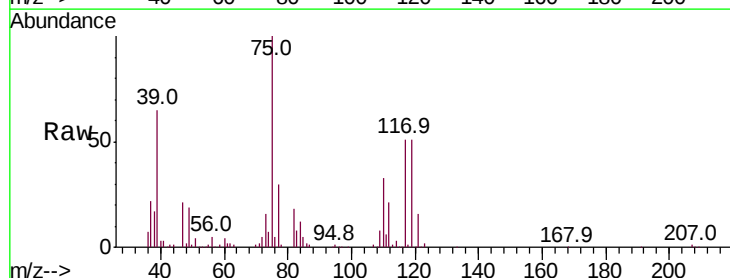


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

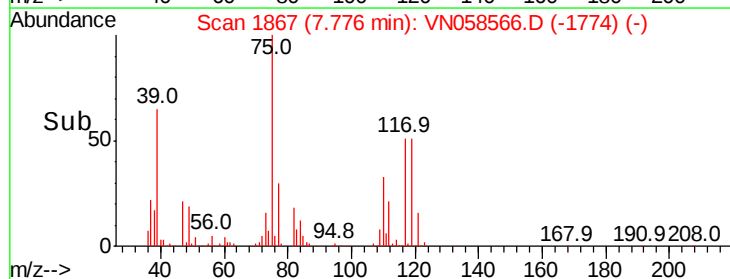
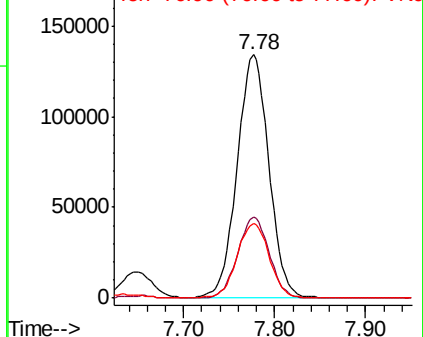


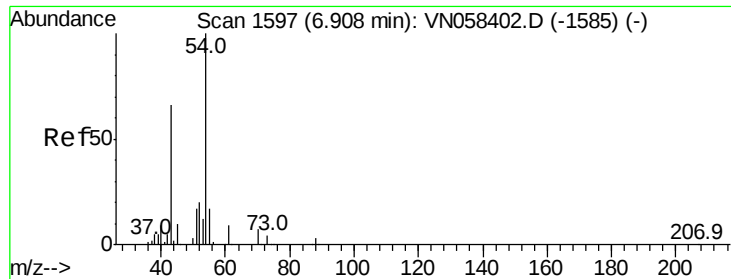
#36
 1,1-Dichloropropene
 Concen: 49.196 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion: 75 Resp: 323481
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.4 49.2
 77 31.3 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

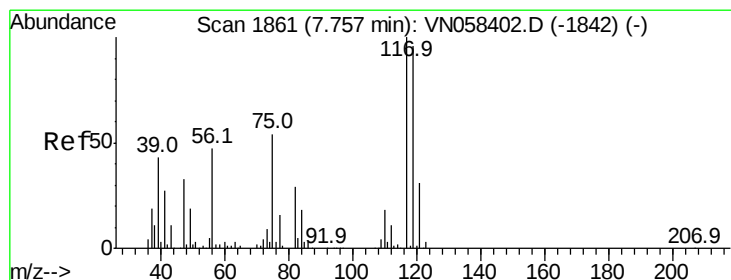
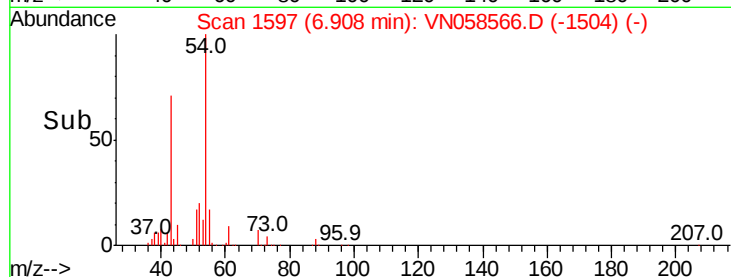
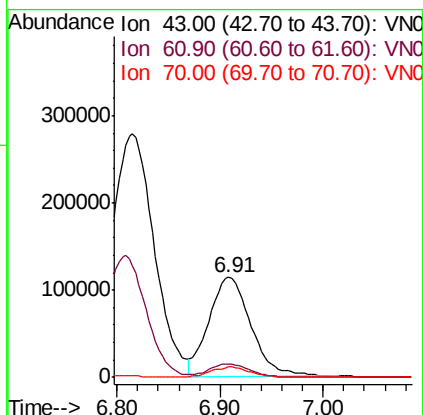
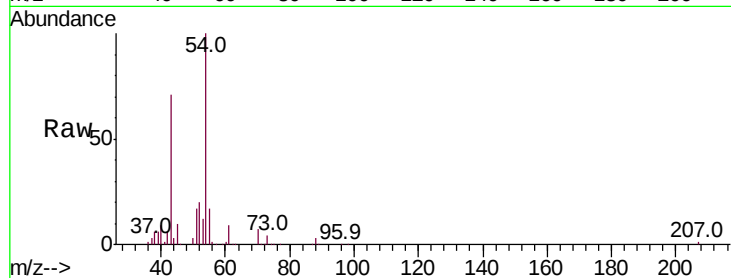




#37
Ethyl Acetate
Concen: 57.987 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

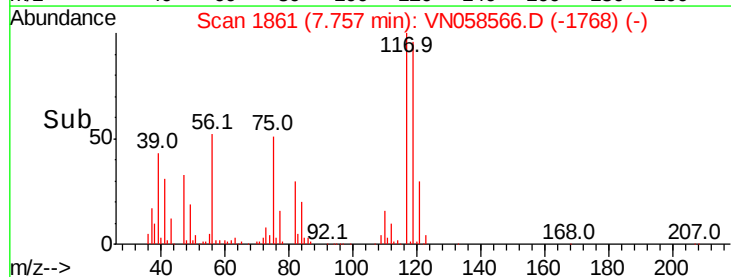
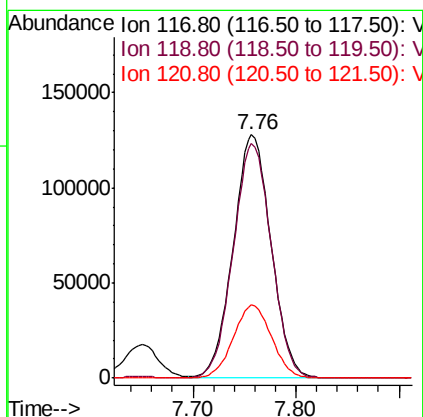
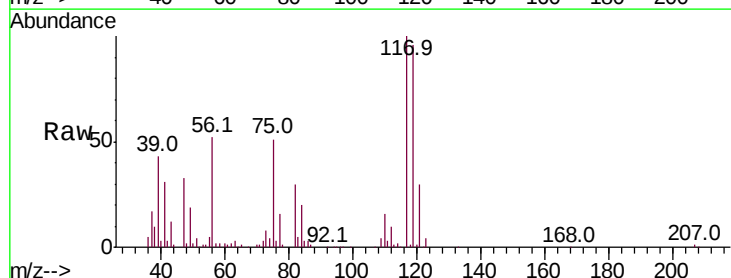
Instrument :
MSVOA_N
ClientSampleId :

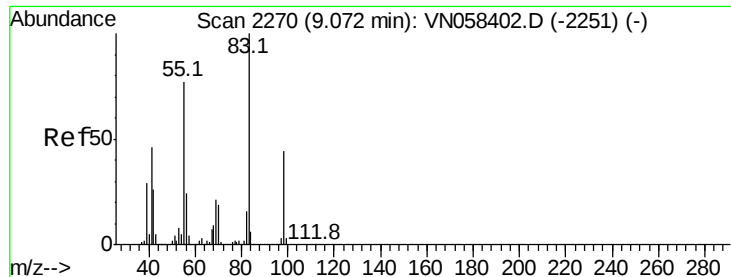
Tot Ion: 43 Resp: 323264
Ion Ratio Lower Upper
43 100
61 13.0 10.5 15.7
70 9.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 55.213 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 117 Resp: 327702
Ion Ratio Lower Upper
117 100
119 96.2 76.6 115.0
121 29.9 24.7 37.1

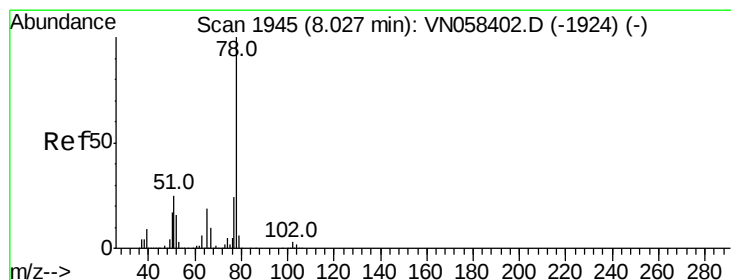
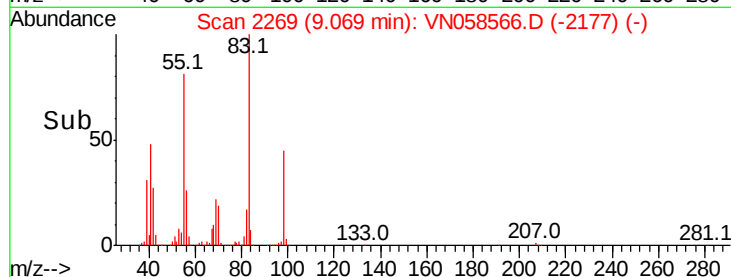
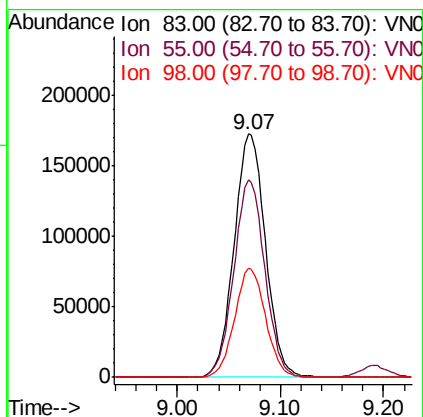
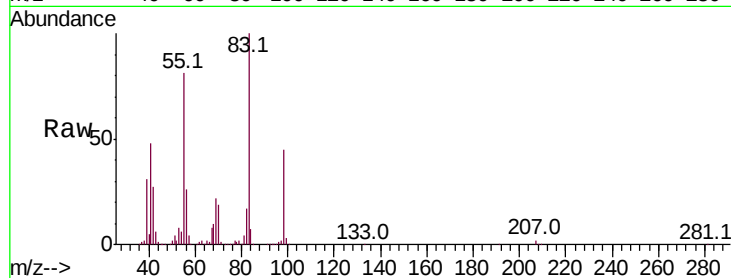




#39
Methvlcvclohexane
Concen: 47.600 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

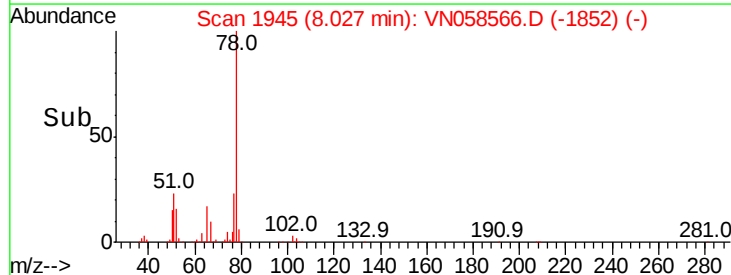
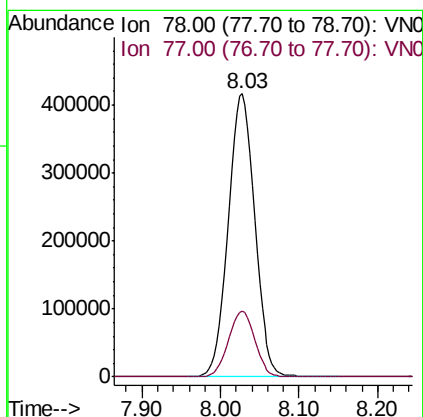
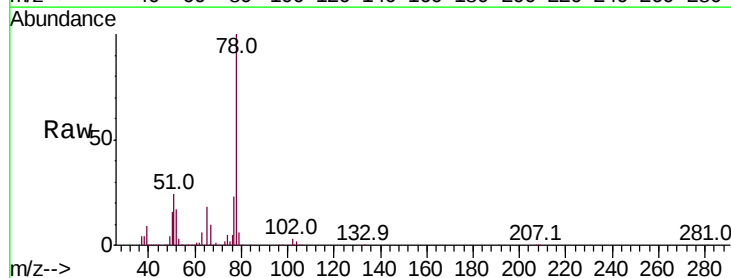
Instrument :
MSVOA_N
ClientSampleId :

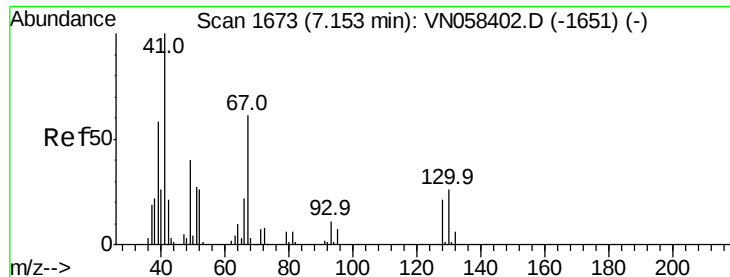
Tot Ion: 83 Resp: 365503
Ion Ratio Lower Upper
83 100
55 80.9 61.8 92.6
98 44.9 35.4 53.0



#40
Benzene
Concen: 51.479 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 78 Resp: 972995
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

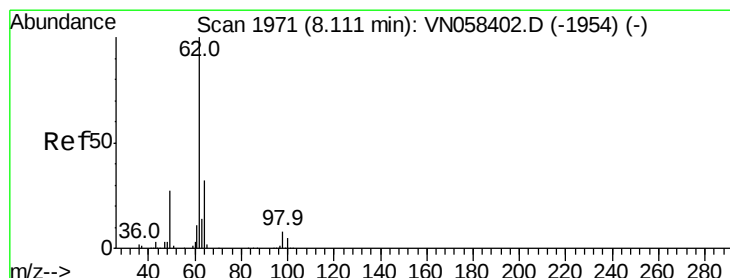
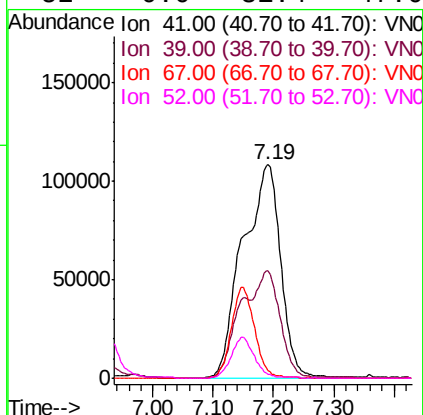
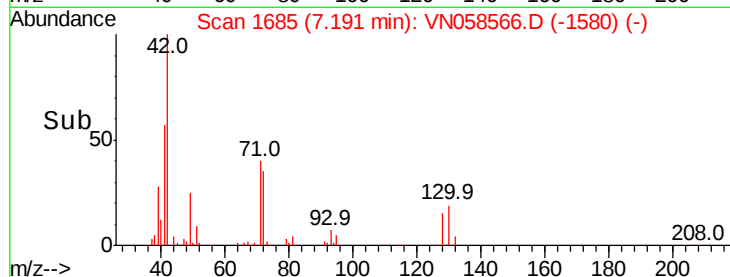
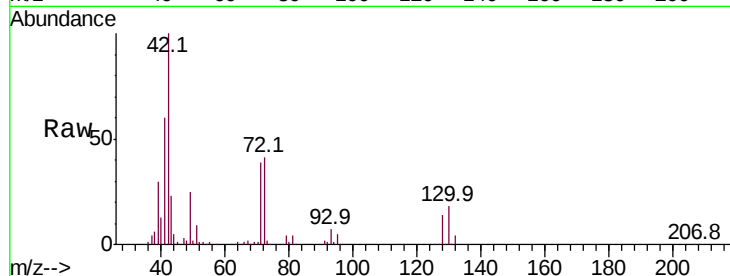




#41
Methacrylonitrile
Concen: 185.761 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

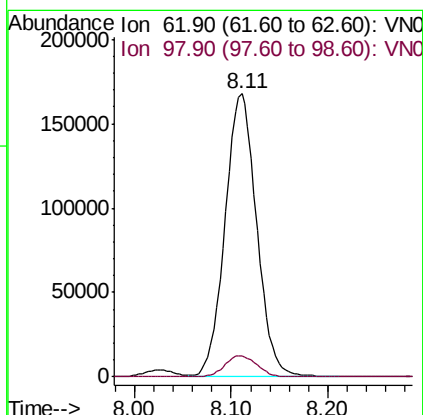
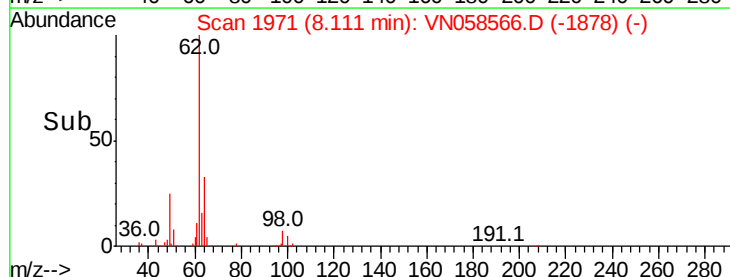
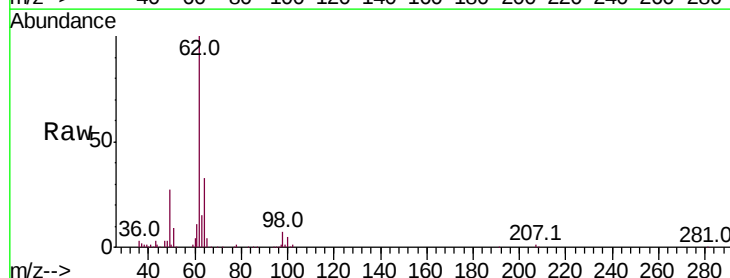
Instrument :
MSVOA_N
ClientSampleId :

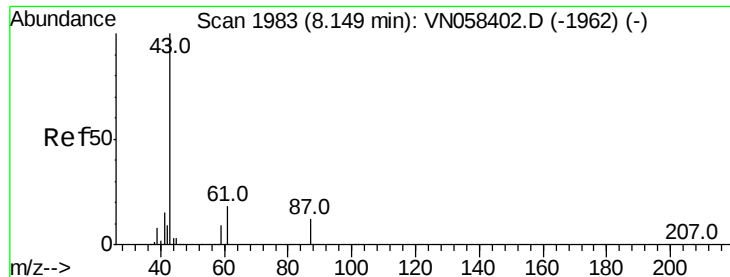
Tot Ion: 41 Resp: 476419
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 0.0 70.2 105.4#
52 0.0 31.4 47.0#



#42
1,2-Dichloroethane
Concen: 51.644 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 62 Resp: 379761
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.6





#43

Isopropyl Acetate

Concen: 54.363 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :

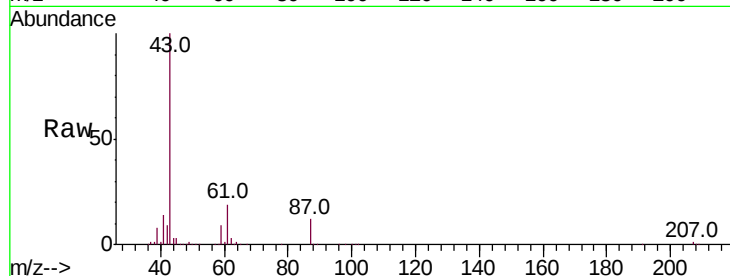
Tot Ion: 43 Resp: 569901

Ion Ratio Lower Upper

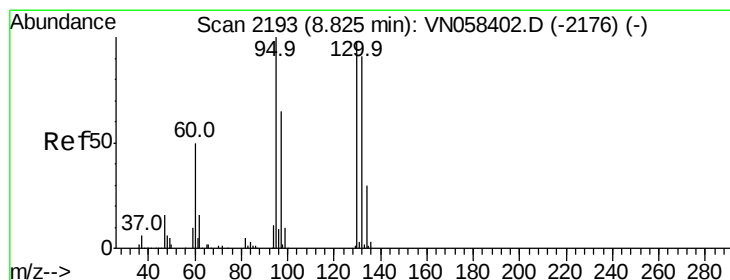
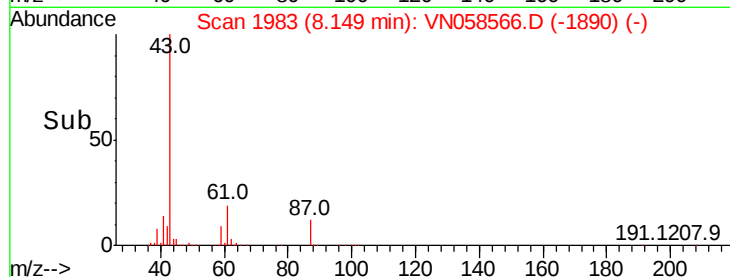
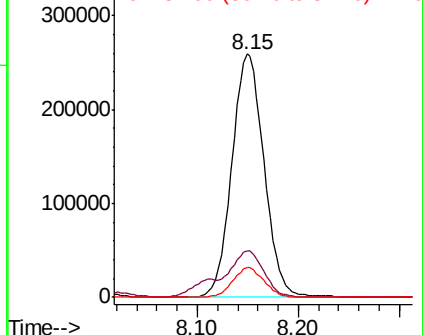
43 100

61 19.1 14.8 22.2

87 12.0 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 51.323 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058566.D

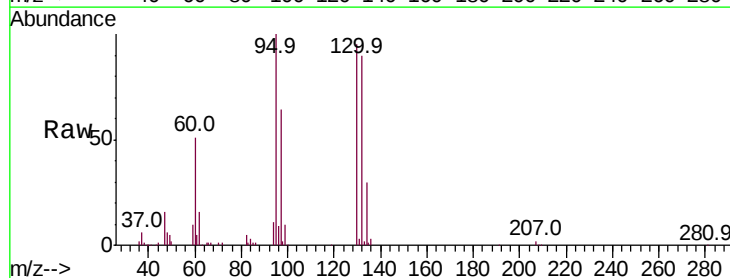
Acq: 7 Oct 2019 14:46

Tgt Ion:130 Resp: 239520

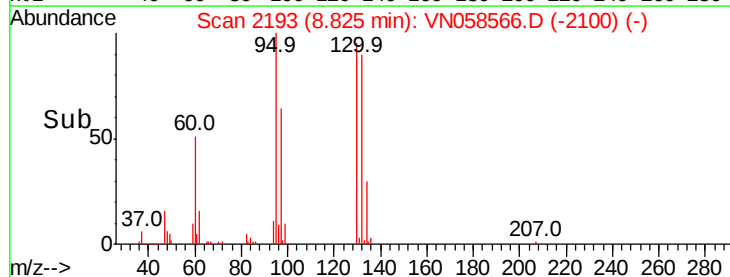
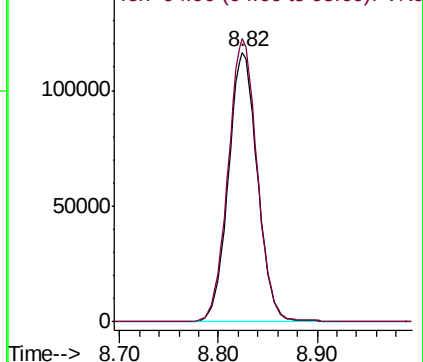
Ion Ratio Lower Upper

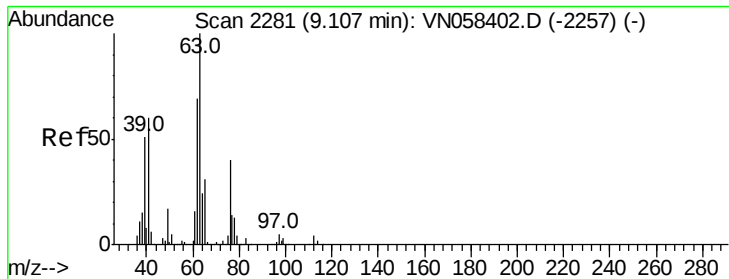
130 100

95 105.0 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 53.196 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

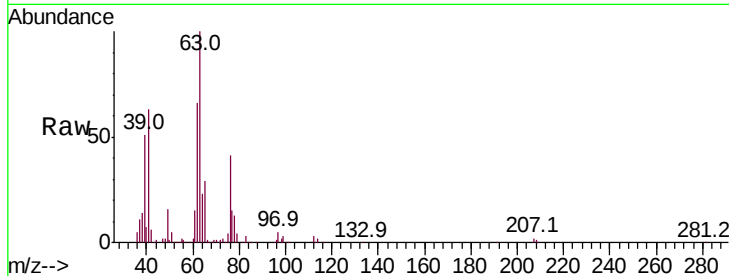
ClientSampleId :

Tot Ion: 63 Resp: 269652

Ion Ratio Lower Upper

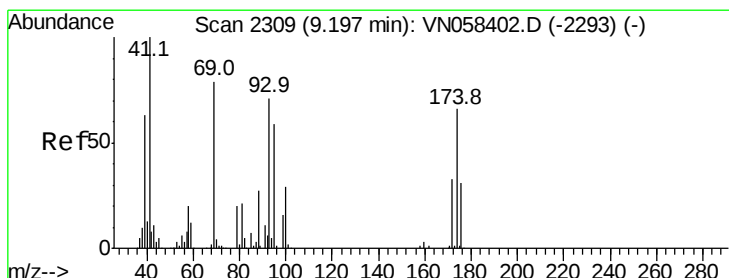
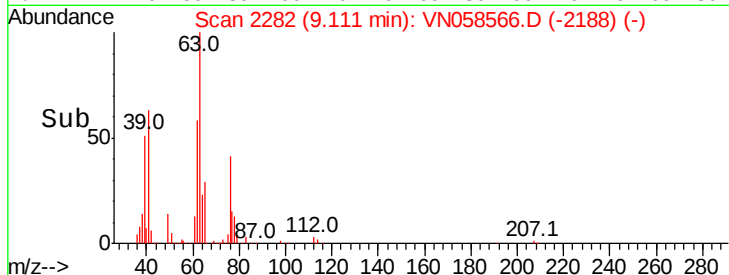
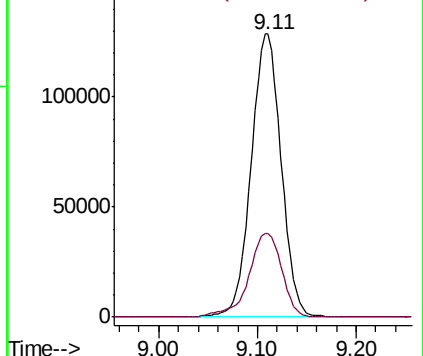
63 100

65 29.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.575 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

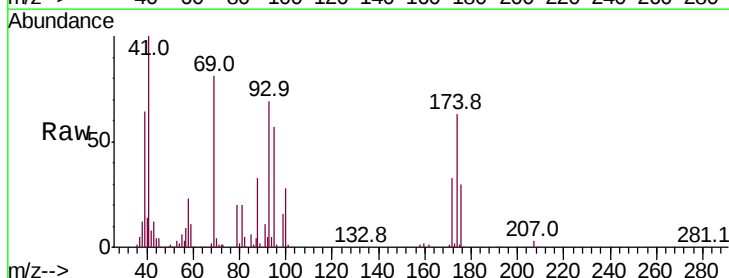
Tgt Ion: 93 Resp: 168775

Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

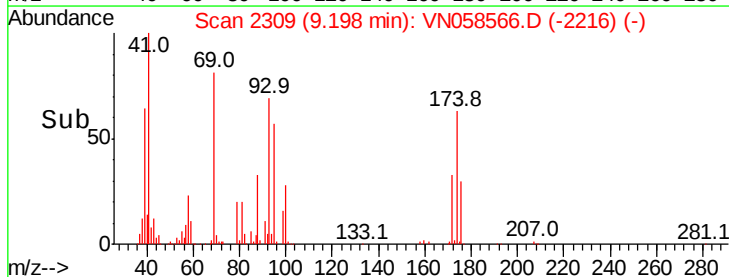
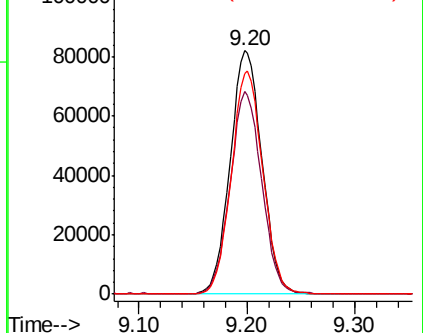
174 90.5 74.2 111.2

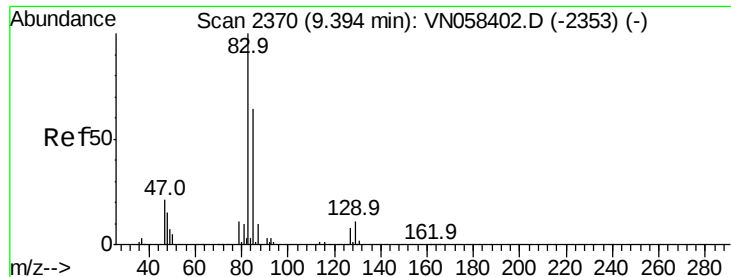


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.643 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

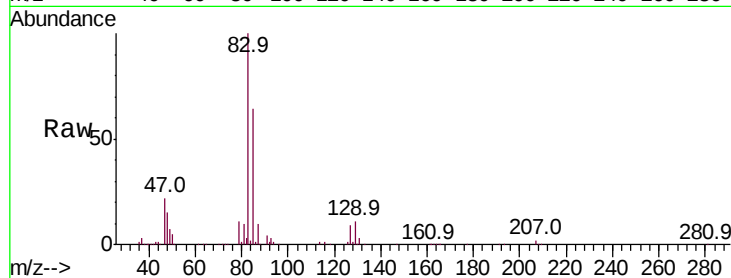
Tot Ion: 83 Resp: 344514

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

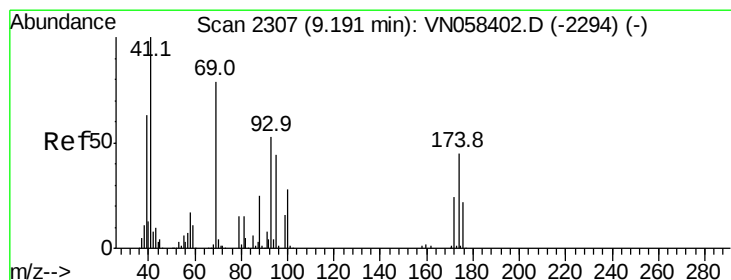
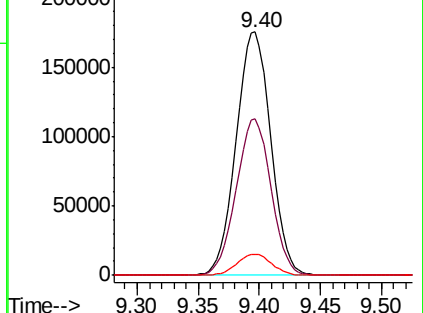
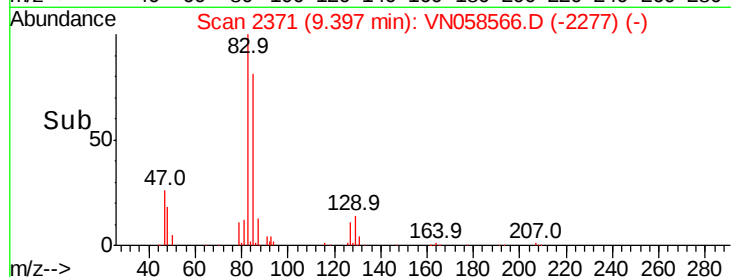
127 8.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 54.984 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

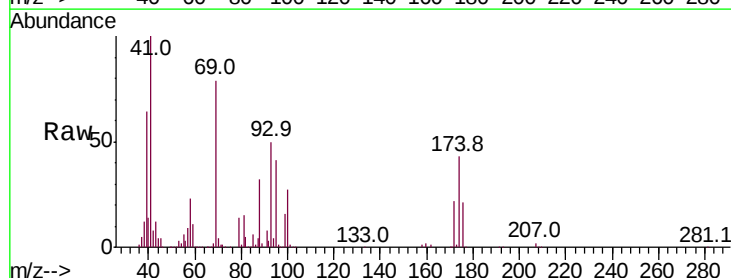
Tgt Ion: 41 Resp: 262466

Ion Ratio Lower Upper

41 100

69 80.3 64.7 97.1

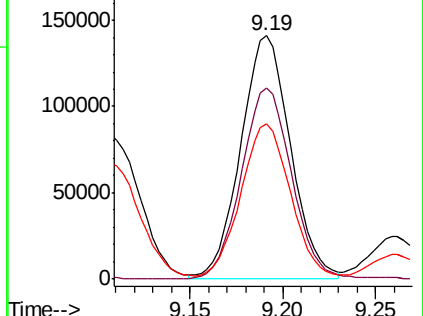
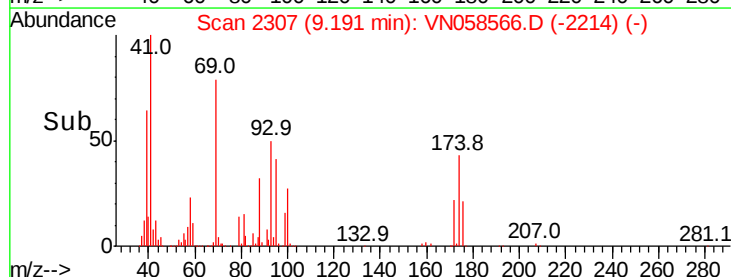
39 64.1 52.9 79.3

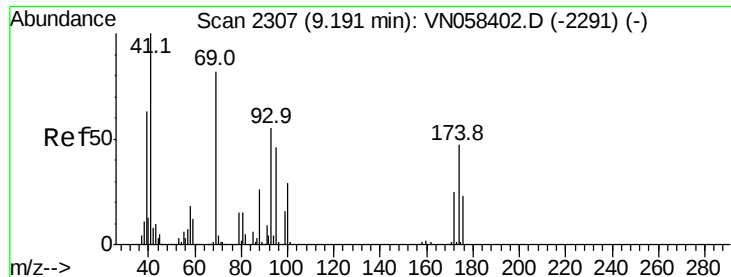


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

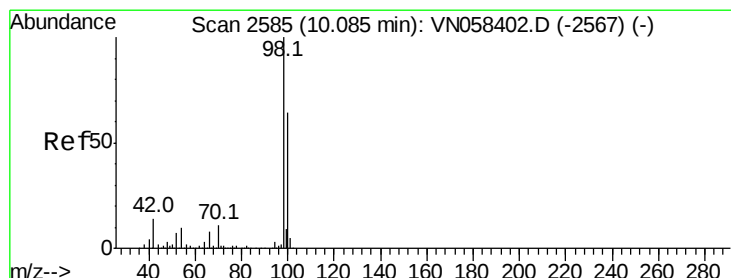
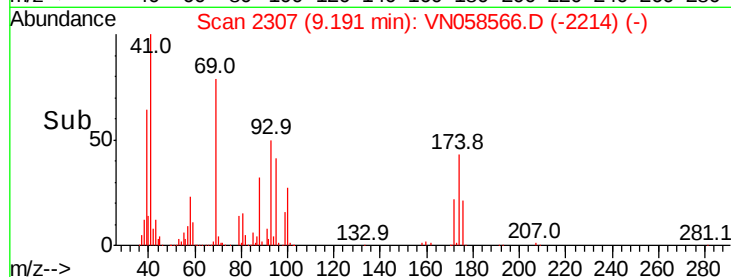
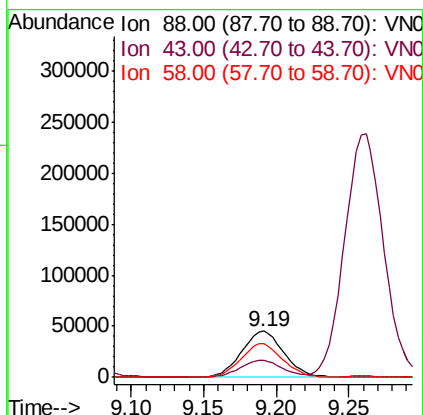
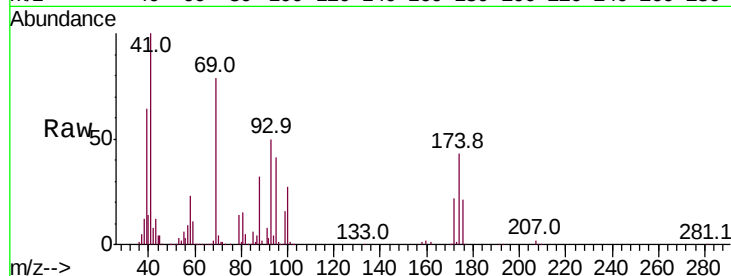




#49
1,4-Dioxane
Concen: 1438.569 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

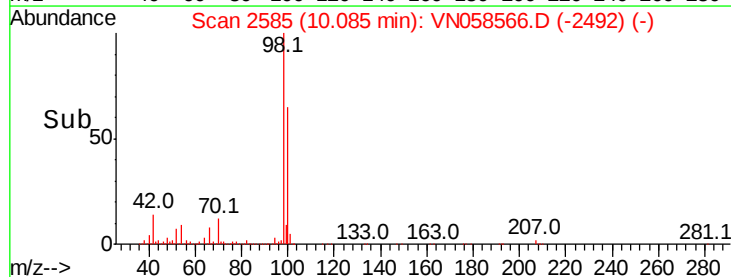
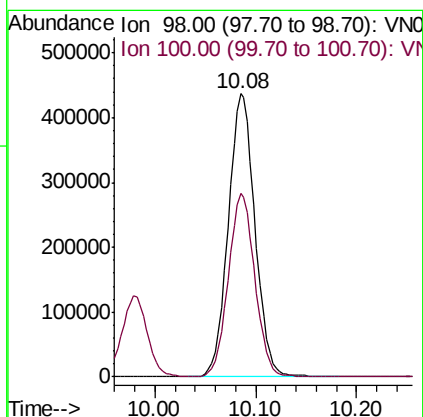
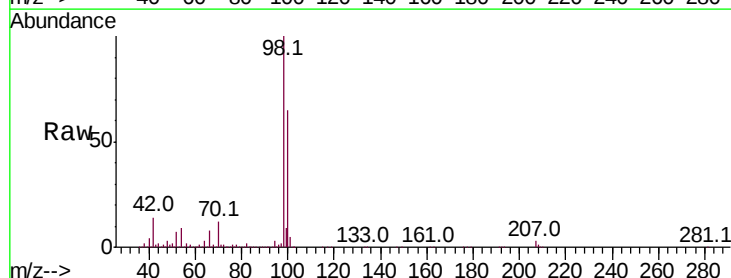
Instrument :
MSVOA_N
ClientSampleId :

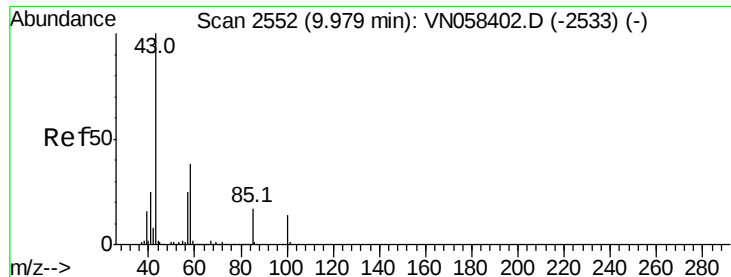
Tot Ion: 88 Resp: 91821
Ion Ratio Lower Upper
88 100
43 36.0 31.1 46.7
58 71.9 58.1 87.1



#50
Toluene-d8
Concen: 48.762 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 98 Resp: 805078
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 307.289 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

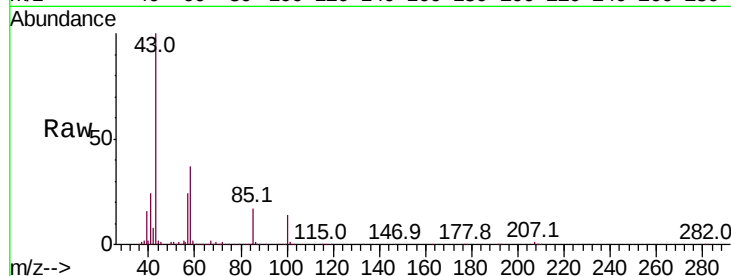
ClientSampled :

Tot Ion: 43 Resp: 1654712

Ion Ratio Lower Upper

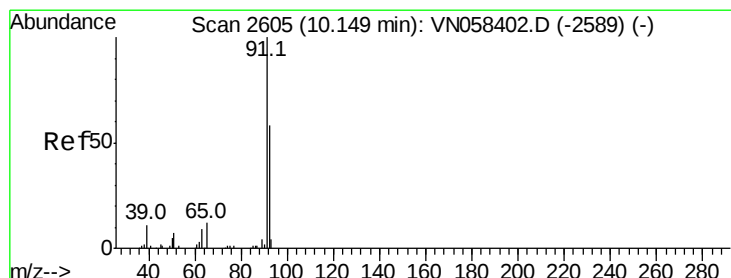
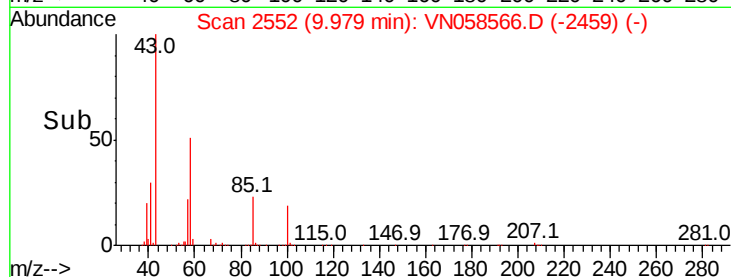
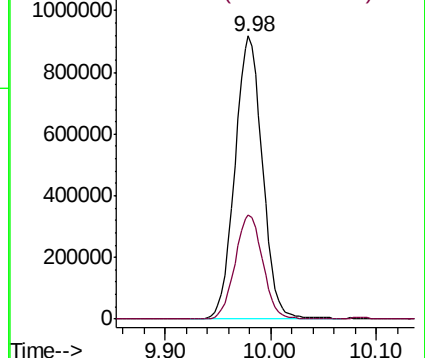
43 100

58 37.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.814 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058566.D

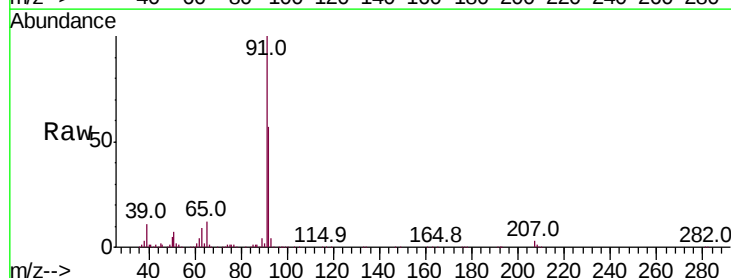
Acq: 7 Oct 2019 14:46

Tgt Ion: 92 Resp: 592624

Ion Ratio Lower Upper

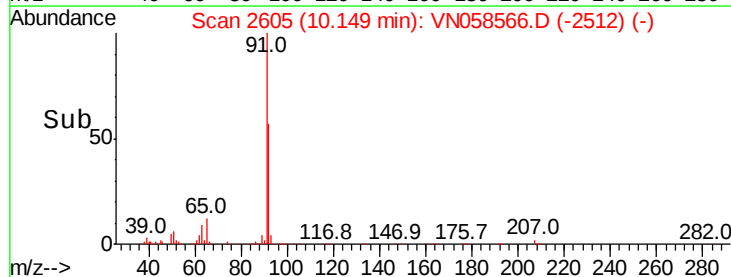
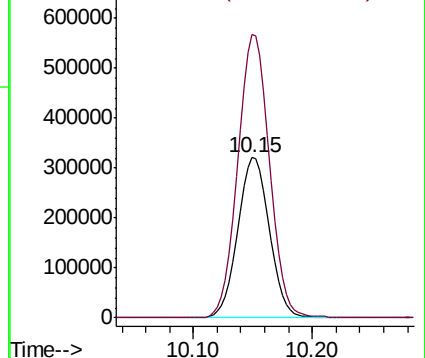
92 100

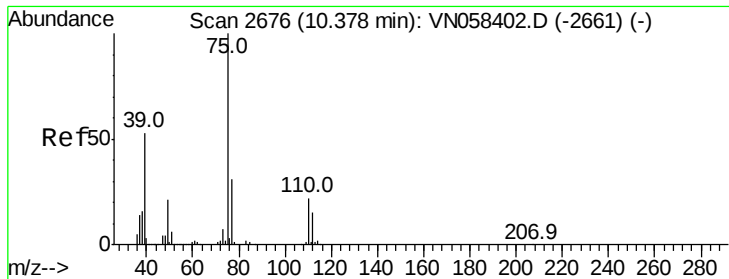
91 177.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 60.228 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

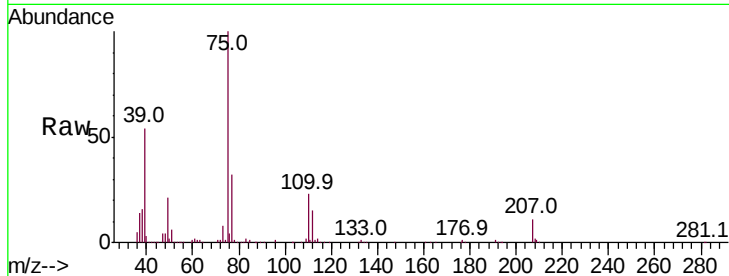
ClientSampled :

Tot Ion: 75 Resp: 398712

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

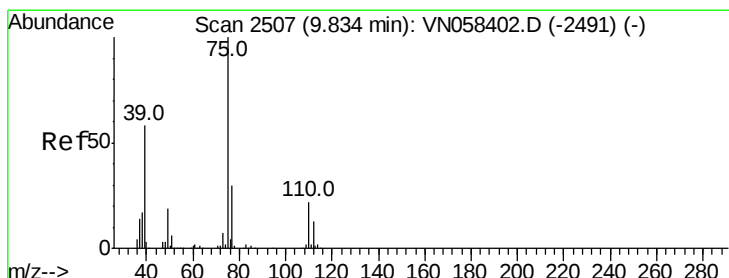
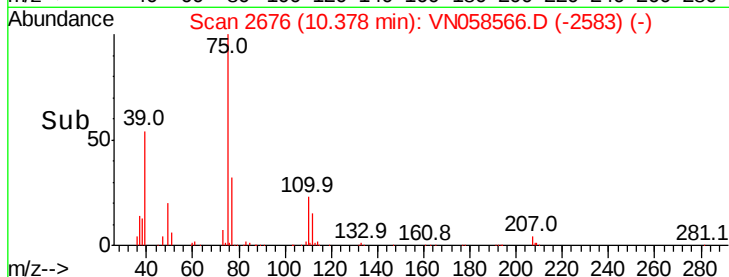
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 57.409 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

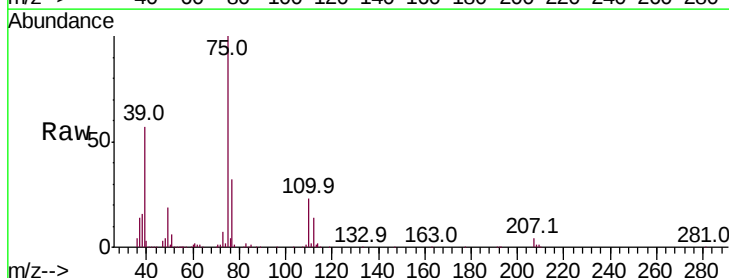
Tgt Ion: 75 Resp: 421873

Ion Ratio Lower Upper

75 100

77 31.6 24.2 36.4

39 57.4 46.4 69.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

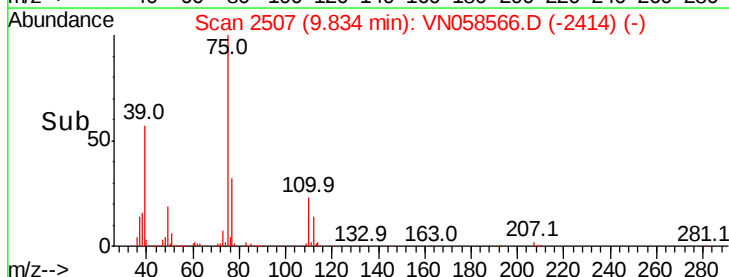
150000

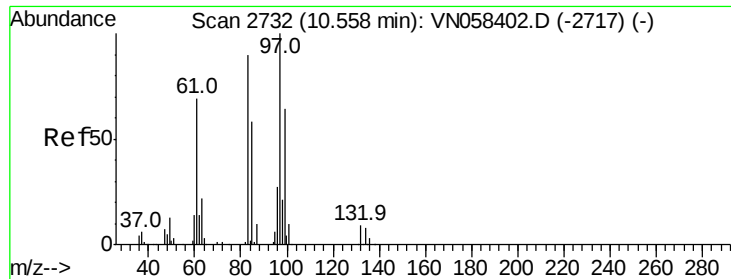
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 56.298 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 243872

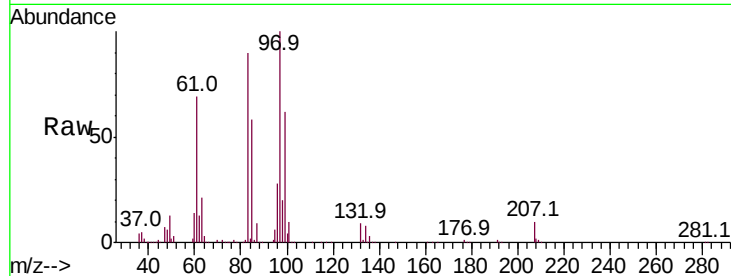
Ion Ratio Lower Upper

97 100

83 89.6 71.8 107.6

85 58.2 46.6 69.8

99 61.9 51.5 77.3



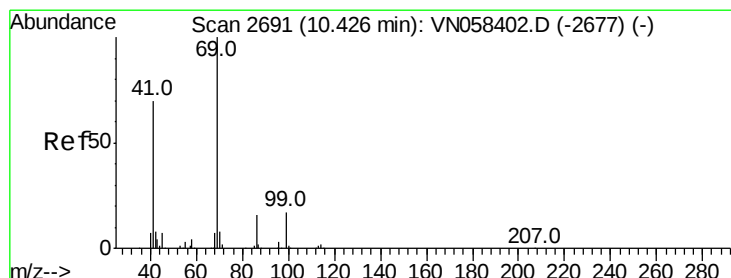
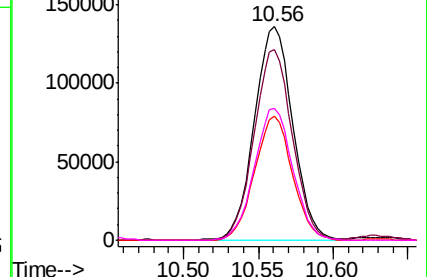
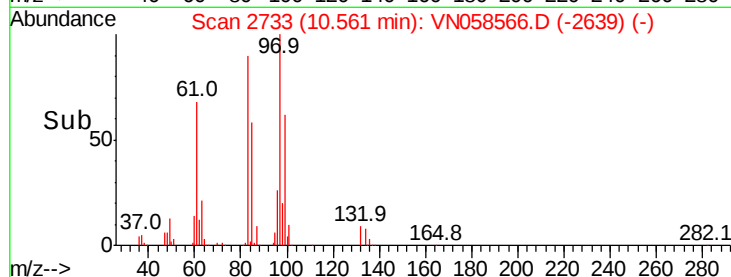
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56



#56

Ethyl methacrylate

Concen: 58.025 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

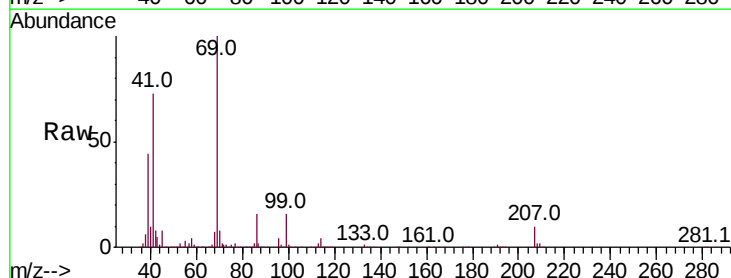
Tgt Ion: 69 Resp: 381401

Ion Ratio Lower Upper

69 100

41 71.0 56.3 84.5

39 43.5 35.8 53.6

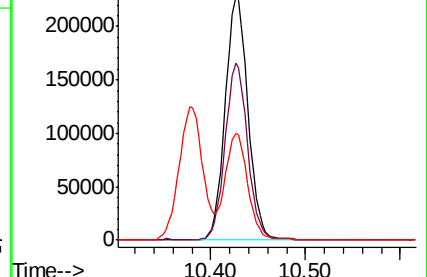
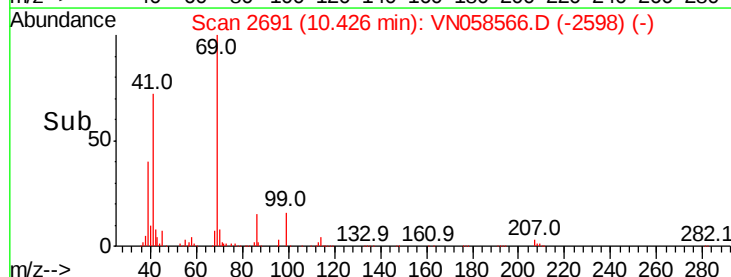


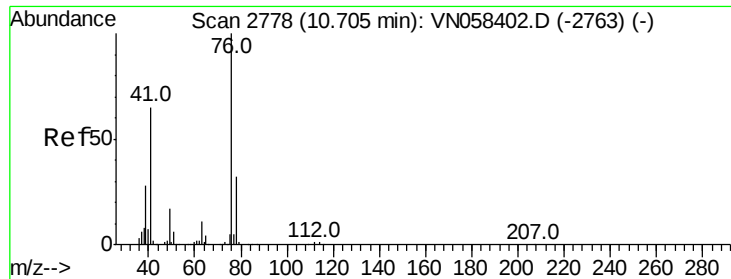
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43





#57

1,3-Dichloropropane

Concen: 54.298 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

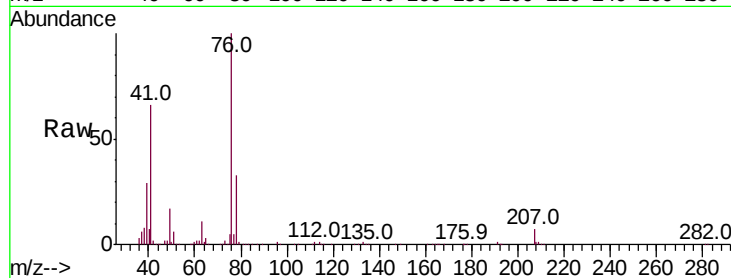
ClientSampleId :

Tot Ion: 76 Resp: 419541

Ion Ratio Lower Upper

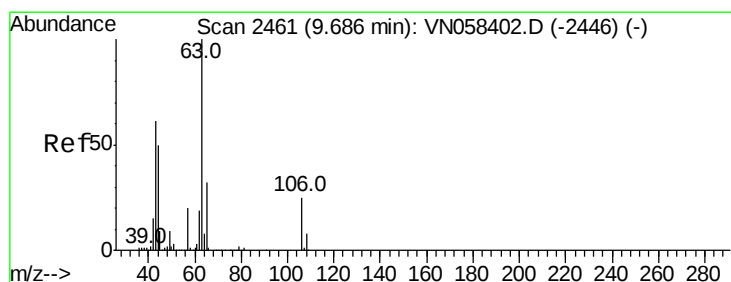
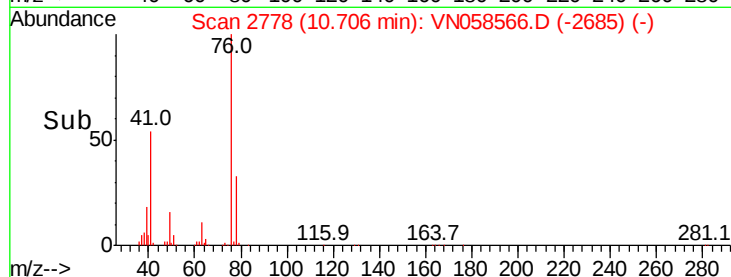
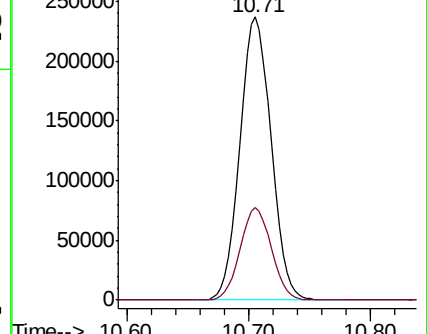
76 100

78 32.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 341.031 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058566.D

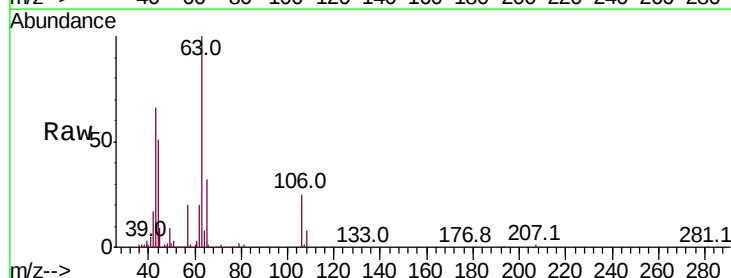
Acq: 7 Oct 2019 14:46

Tgt Ion: 63 Resp: 893837

Ion Ratio Lower Upper

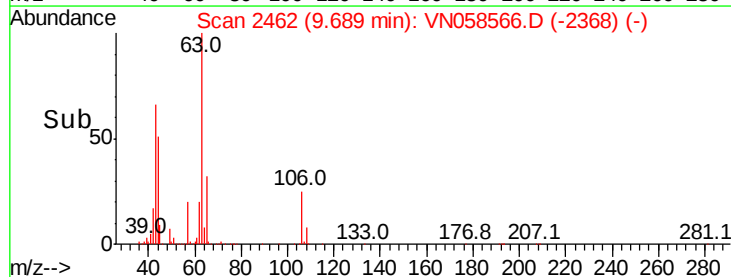
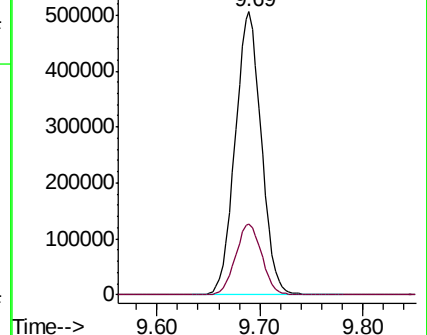
63 100

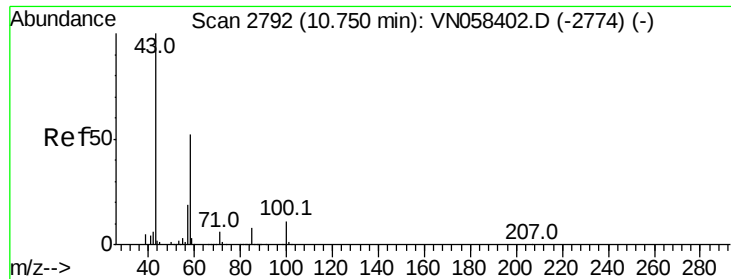
106 25.3 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

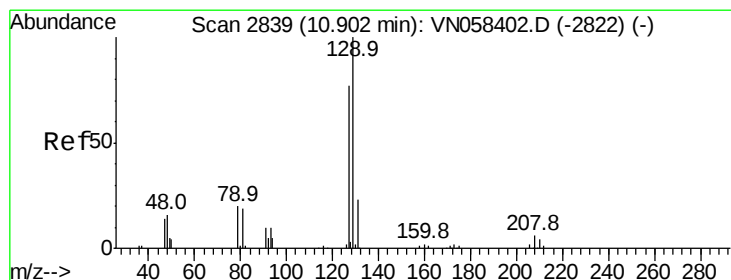
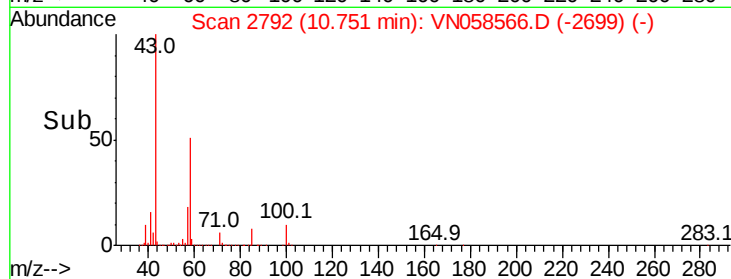
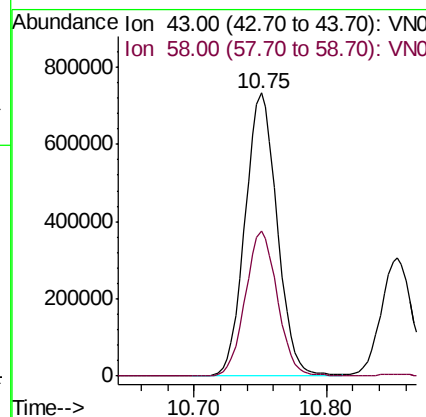
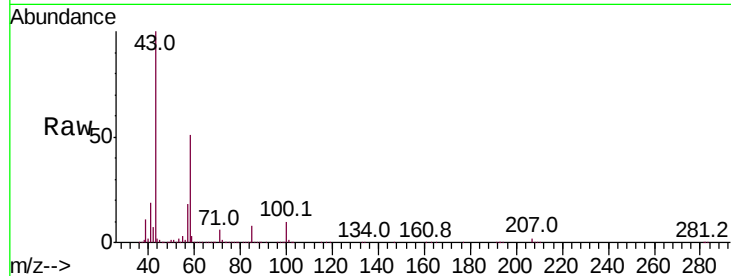




#59
2-Hexanone
Concen: 313.698 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

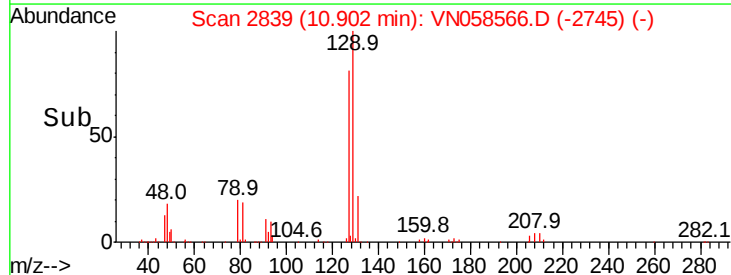
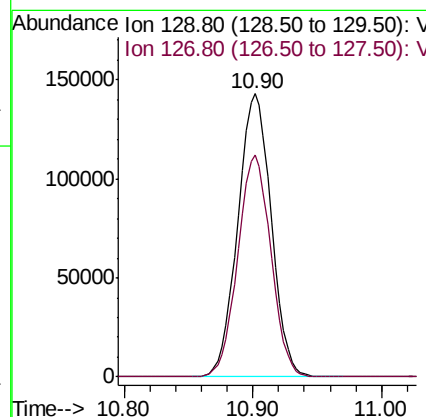
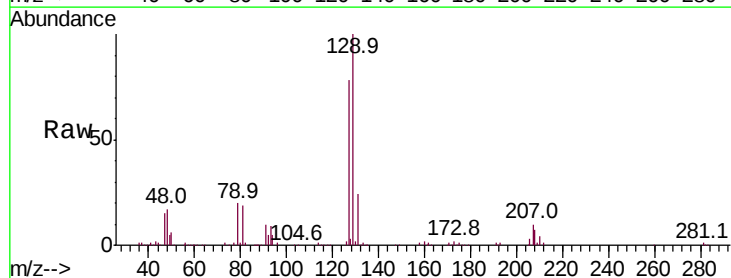
Instrument :
MSVOA_N
ClientSampled :

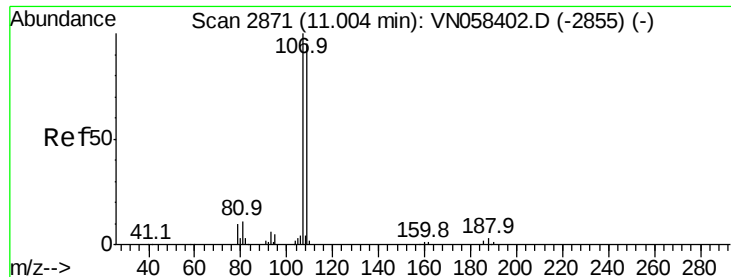
Tot Ion: 43 Resp: 1230010
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3



#60
Dibromochloromethane
Concen: 57.489 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 129 Resp: 257510
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 56.271 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

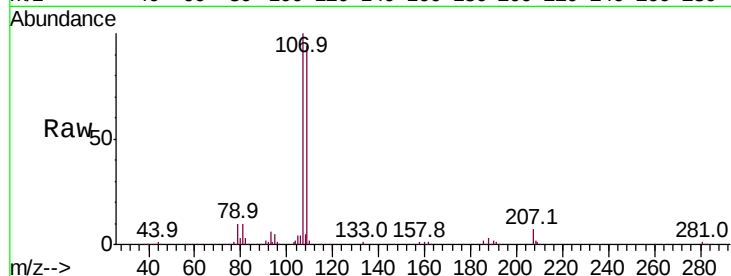
ClientSampleId :

Tot Ion:107 Resp: 249066

Ion Ratio Lower Upper

107 100

109 92.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

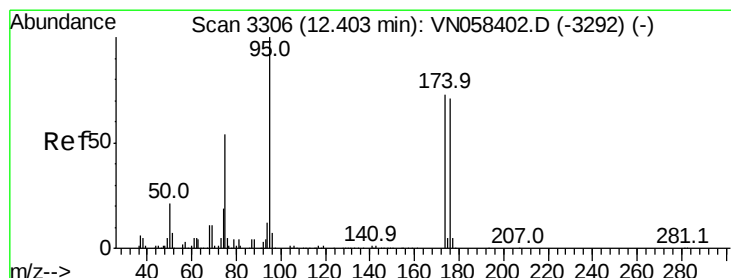
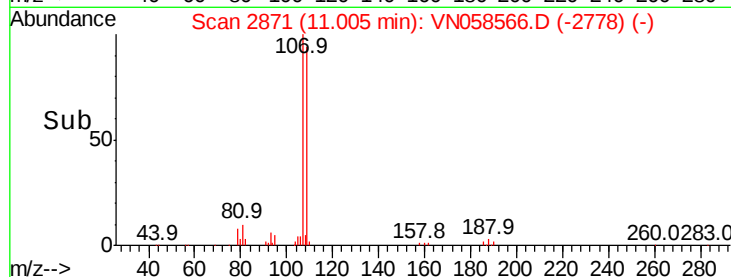
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.578 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

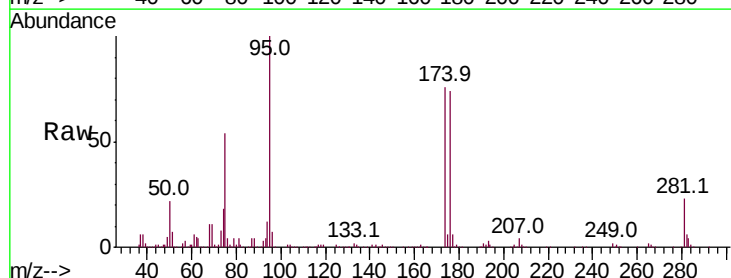
Tgt Ion: 95 Resp: 307913

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

176 73.6 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

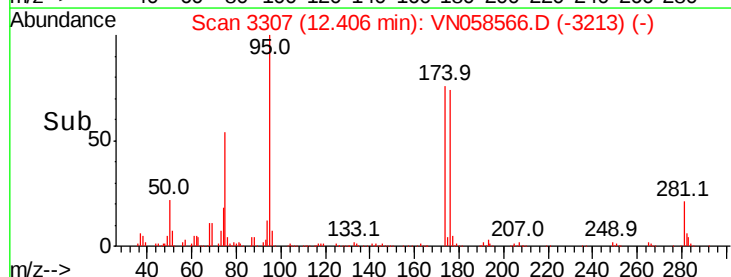
150000

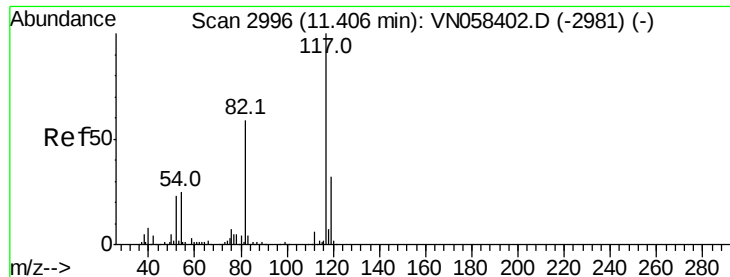
100000

50000

0

Time-->

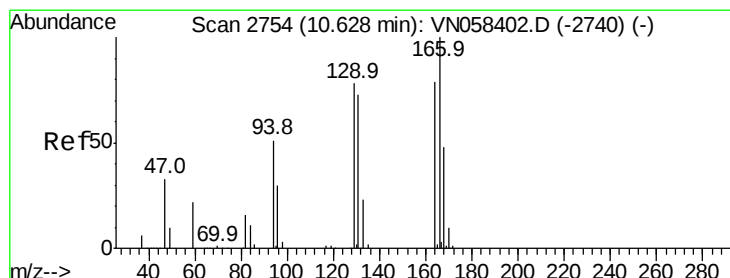
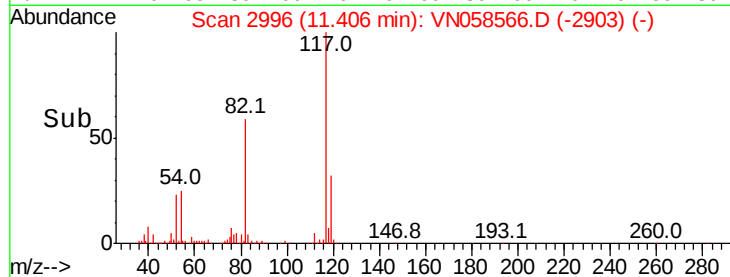
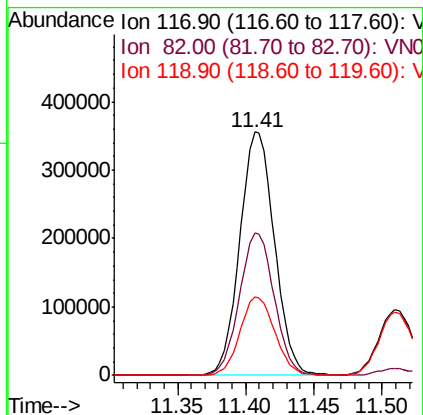
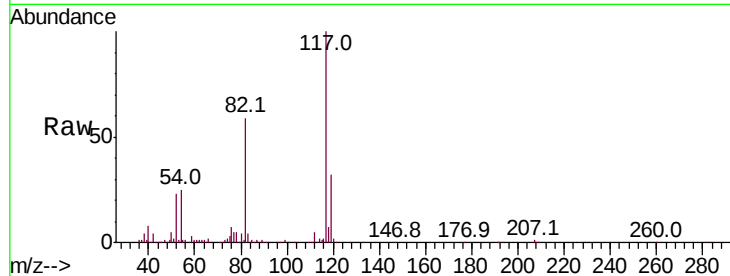




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

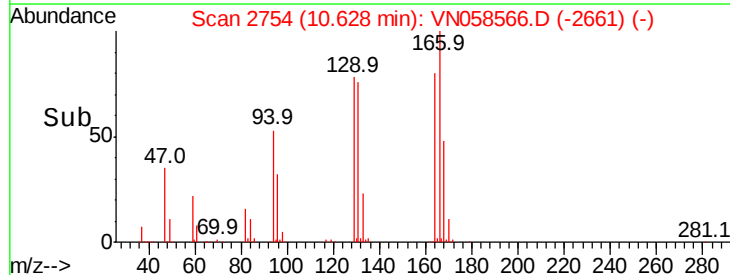
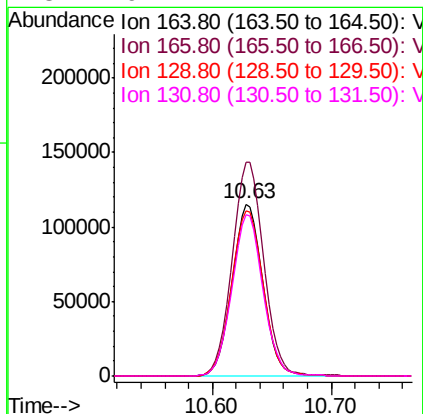
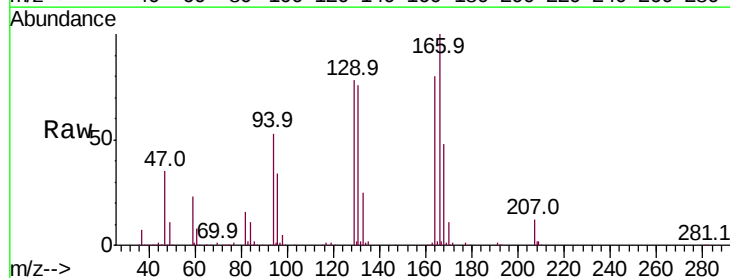
Instrument :
MSVOA_N
ClientSampleId :

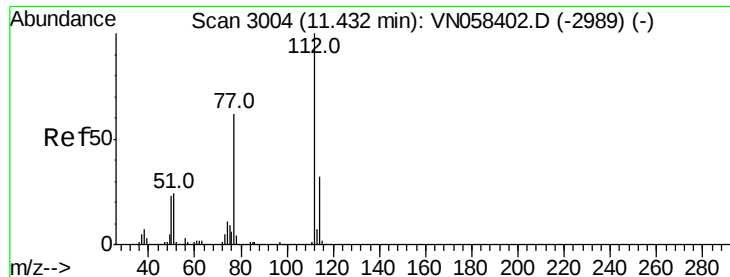
Tot Ion:117 Resp: 627612
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.0
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 51.659 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion:164 Resp: 205988
Ion Ratio Lower Upper
164 100
166 124.3 101.1 151.7
129 96.5 79.2 118.8
131 94.2 74.1 111.1





#65

Chlorobenzene

Concen: 51.007 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

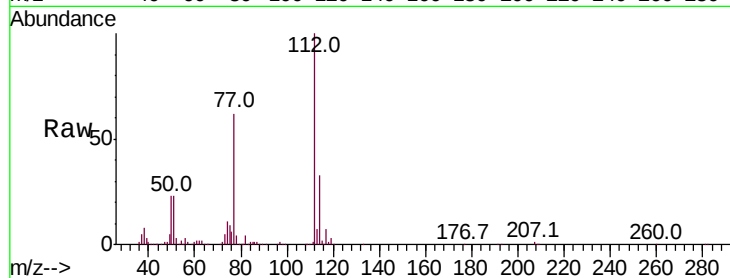
ClientSampleId :

Tot Ion:112 Resp: 636336

Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

400000

300000

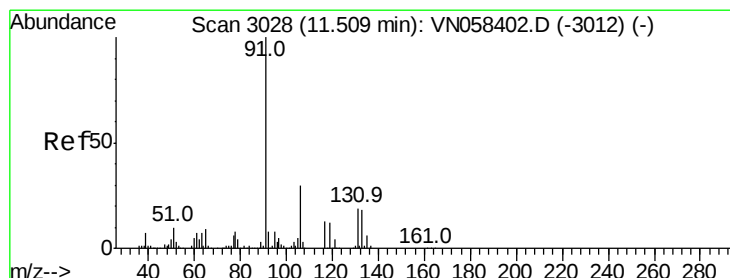
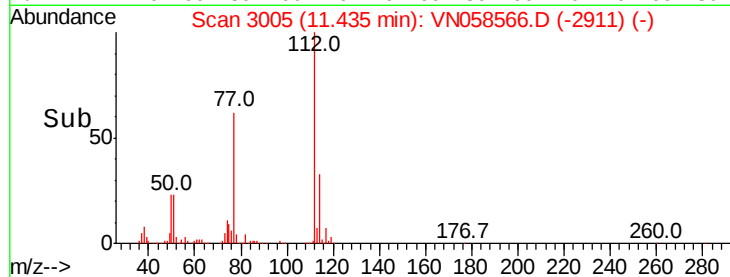
200000

100000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 57.452 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

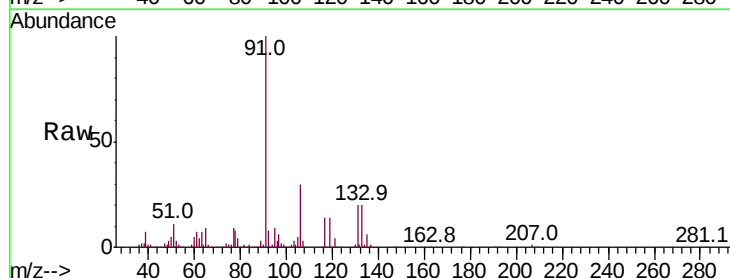
Tgt Ion:131 Resp: 241486

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 66.6 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

150000

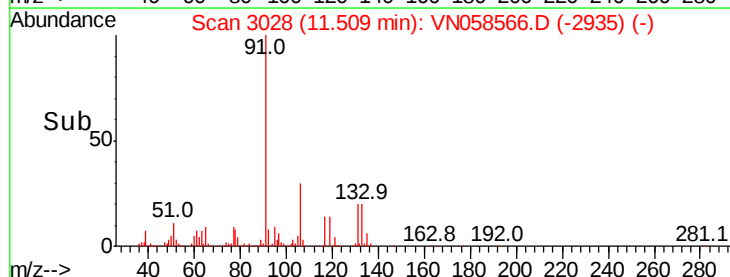
100000

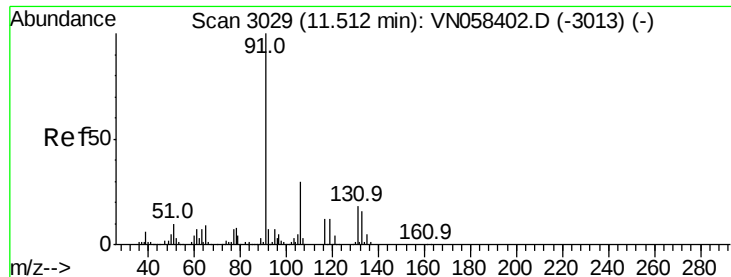
50000

0

Time-->

11.45 11.50 11.55 11.60

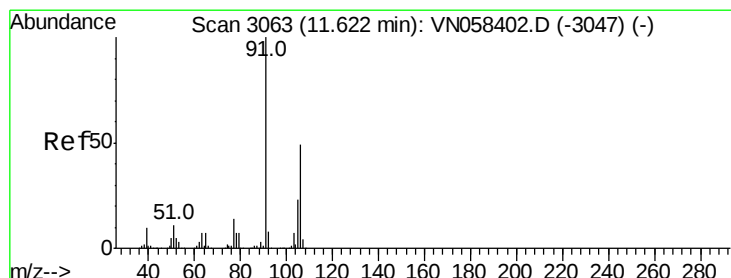
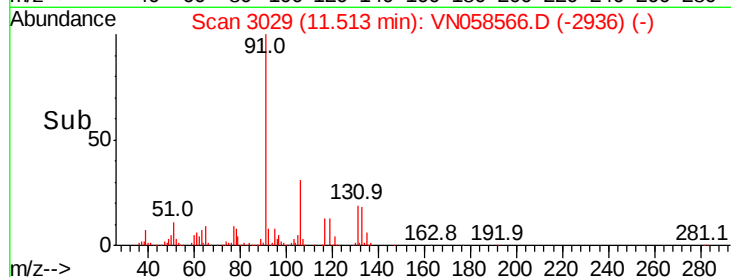
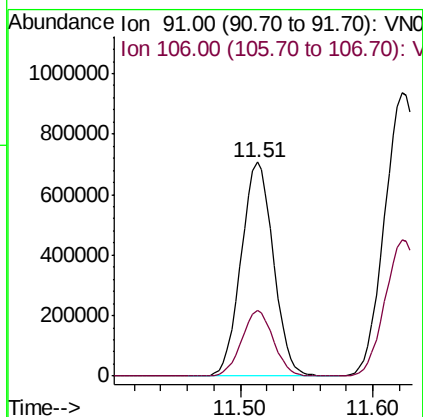
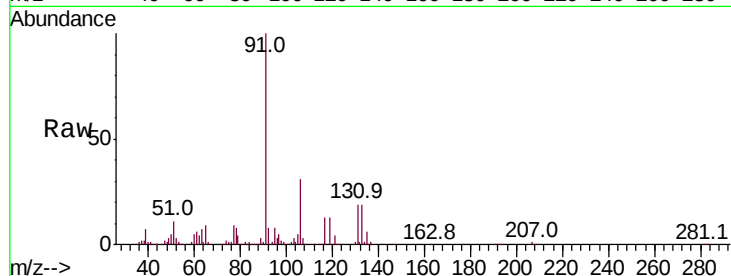




#67
Ethyl Benzene
Concen: 52.927 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

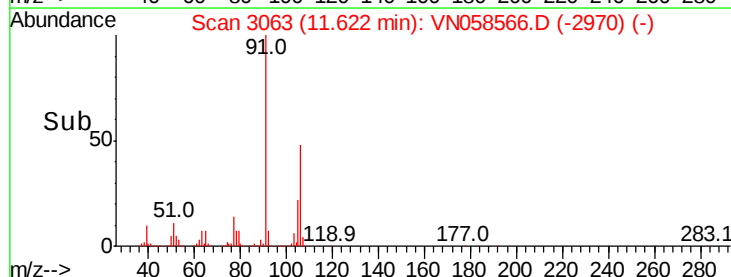
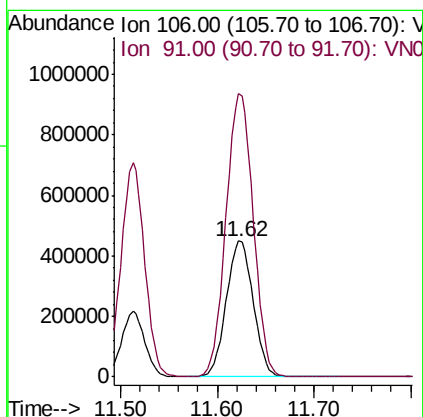
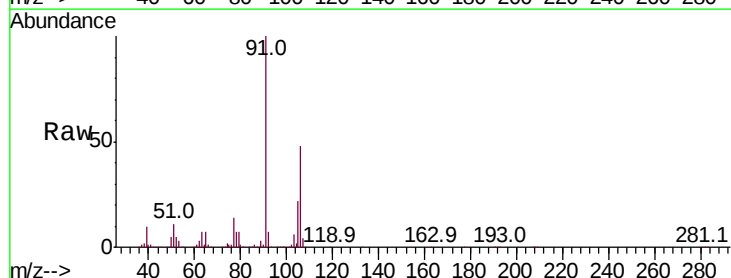
Instrument :
MSVOA_N
ClientSampled :

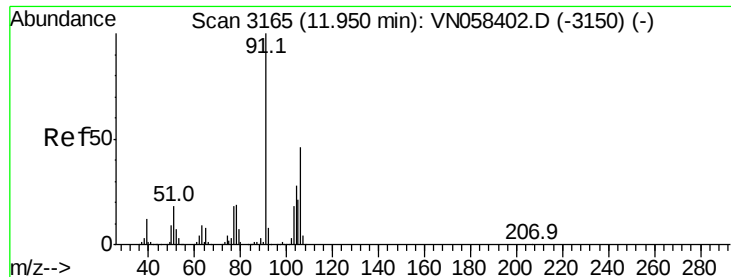
Tot Ion: 91 Resp: 1195966
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 101.976 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 106 Resp: 866982
Ion Ratio Lower Upper
106 100
91 210.9 165.0 247.4





#69

o-Xylene

Concen: 51.705 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

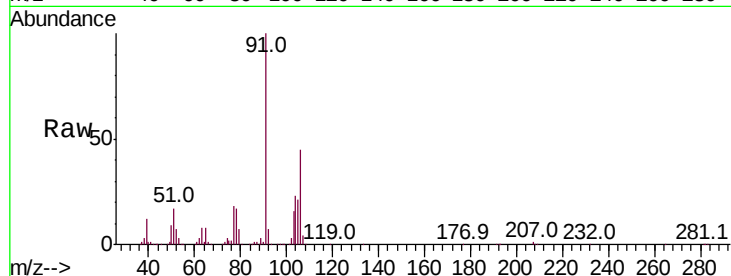
ClientSampleId :

Tot Ion:106 Resp: 423165

Ion Ratio Lower Upper

106 100

91 223.0 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

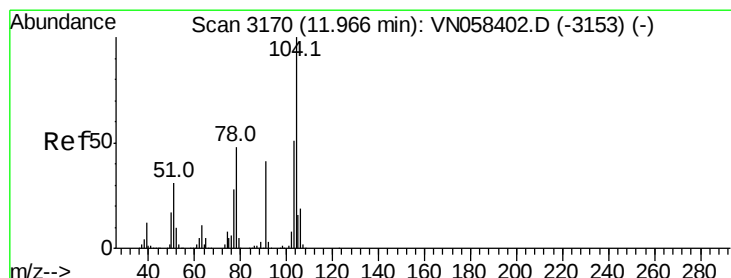
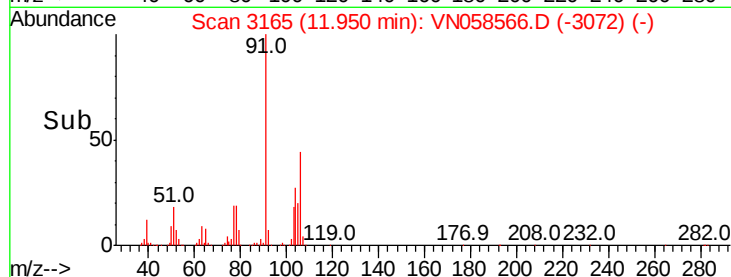
200000

100000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 53.134 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

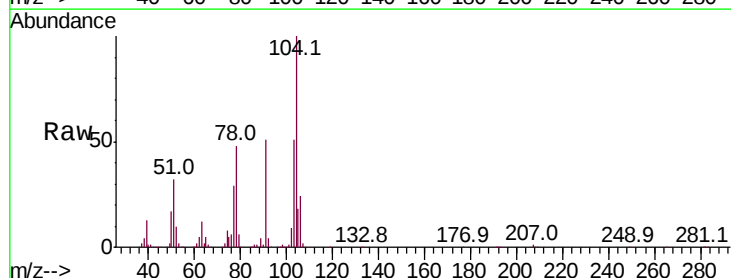
Tgt Ion:104 Resp: 706451

Ion Ratio Lower Upper

104 100

78 53.6 42.8 64.2

103 55.4 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

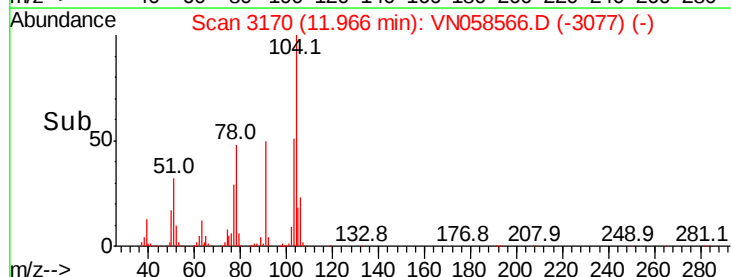
200000

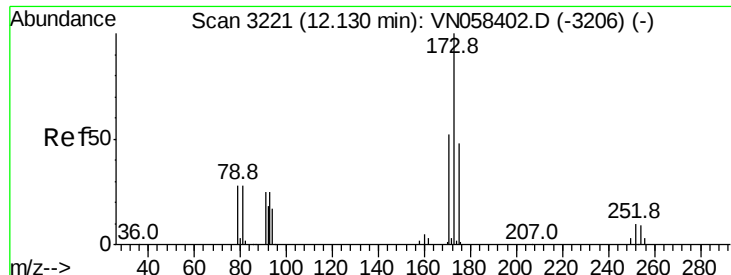
100000

0

11.90 11.97 12.00

Time-->





#71

Bromoform

Concen: 58.040 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

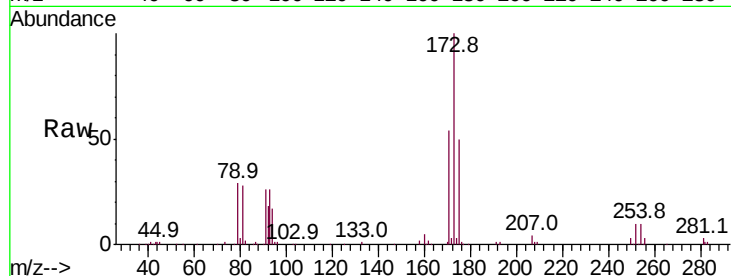
Tot Ion:173 Resp: 168920

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

120000

100000

80000

60000

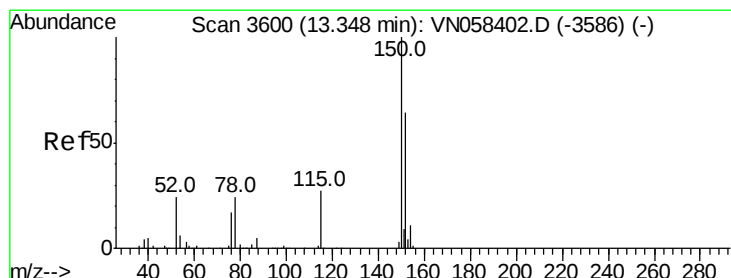
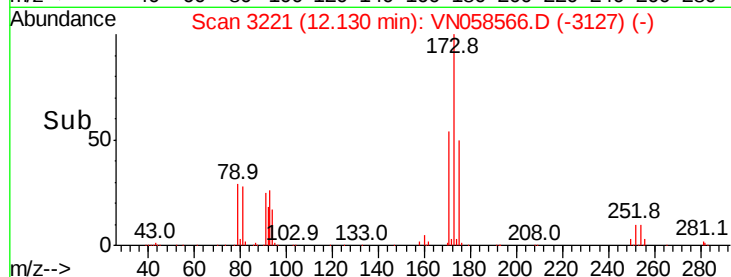
40000

20000

0

12.05 12.10 12.15 12.20

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

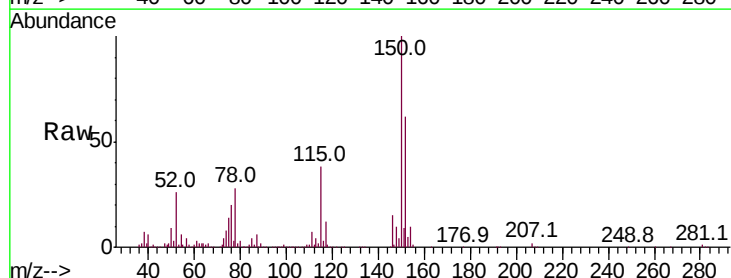
Tgt Ion:152 Resp: 298902

Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.0

150 174.3 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

400000

300000

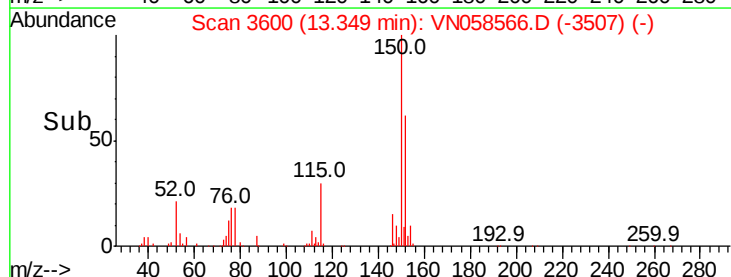
200000

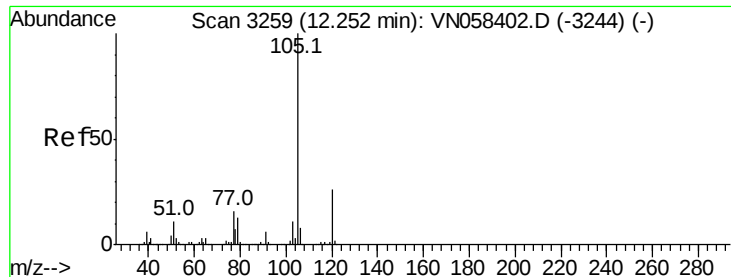
100000

0

13.30 13.35 13.40

Time-->





#73

Isopropylbenzene

Concen: 52.110 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

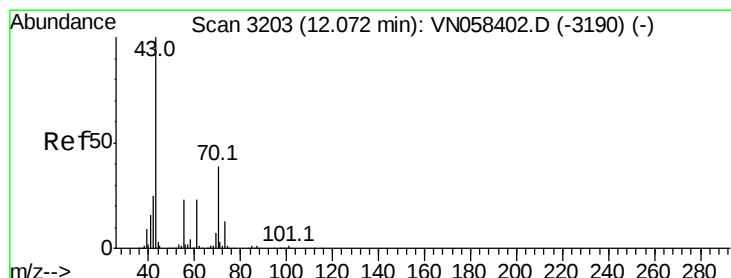
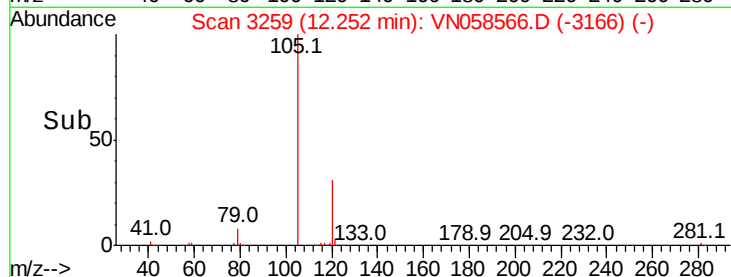
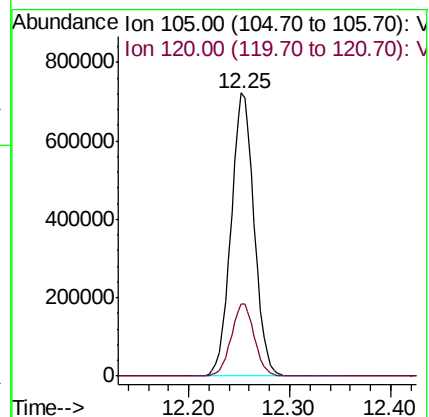
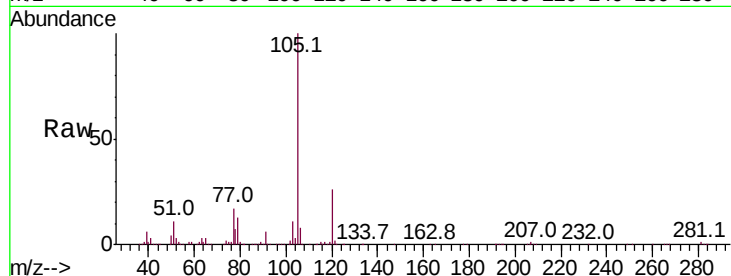
ClientSampleId :

Tot Ion:105 Resp: 1151078

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 58.605 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion: 43 Resp: 515016

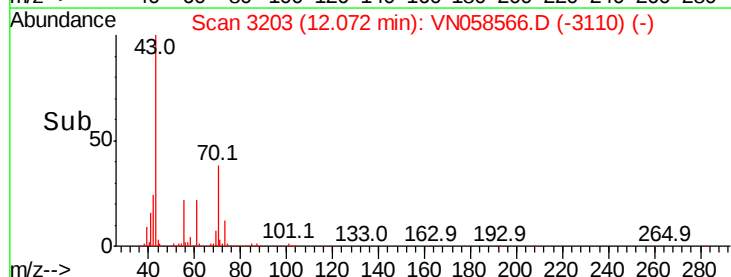
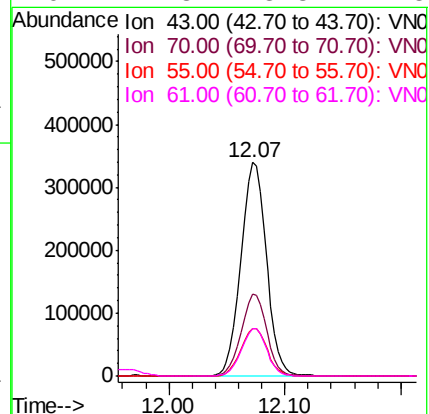
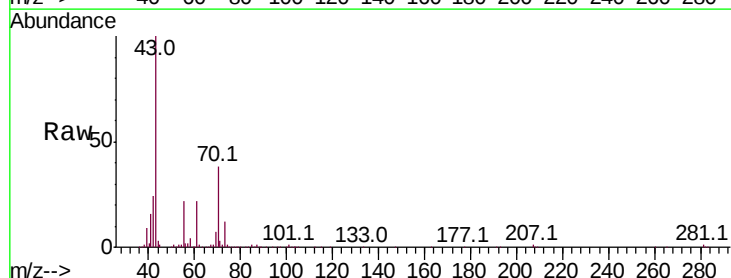
Ion Ratio Lower Upper

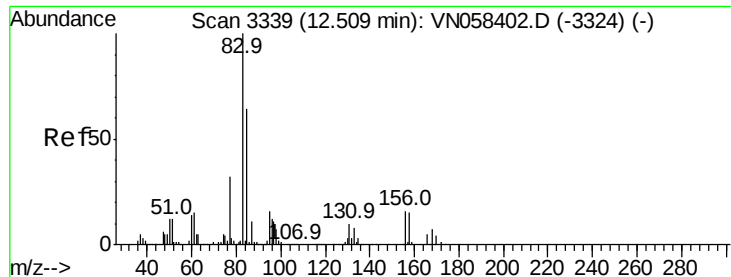
43 100

70 38.1 31.4 47.2

55 22.9 18.2 27.4

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.329 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

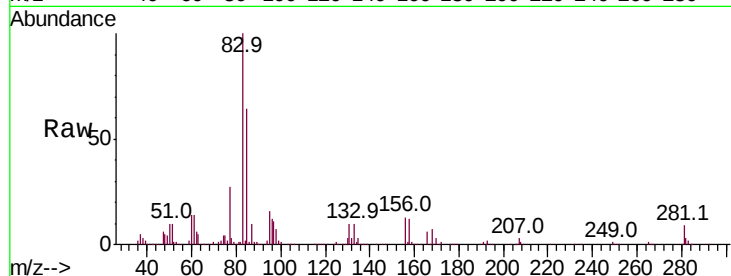
Tot Ion: 83 Resp: 354874

Ion Ratio Lower Upper

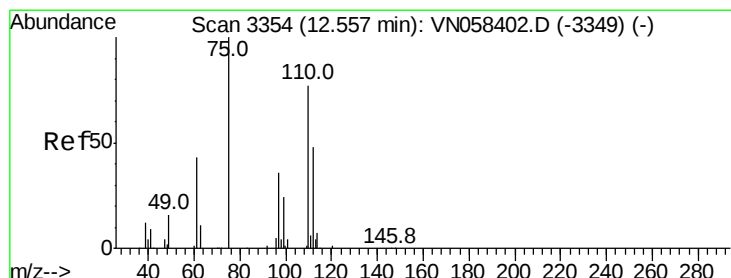
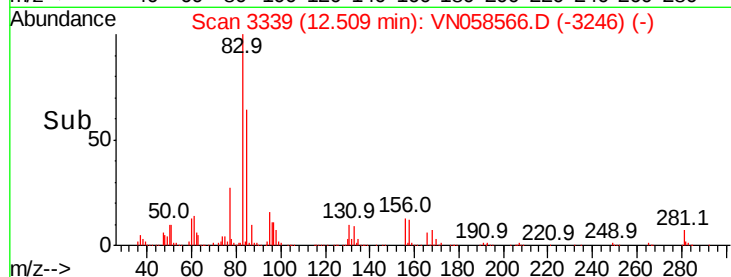
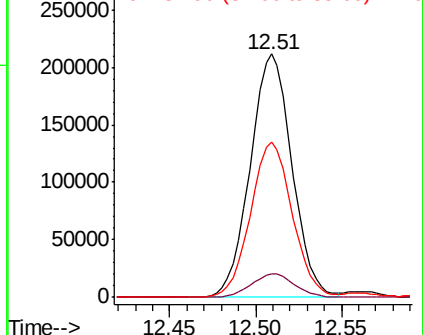
83 100

131 10.0 4.9 14.7

85 64.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 85.779 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058566.D

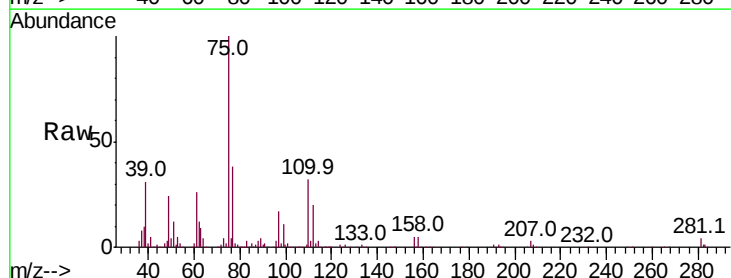
Acq: 7 Oct 2019 14:46

Tgt Ion: 75 Resp: 468306

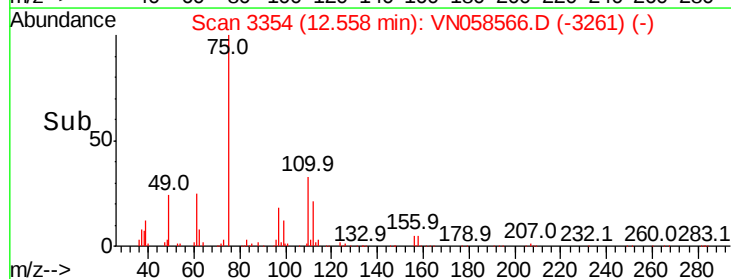
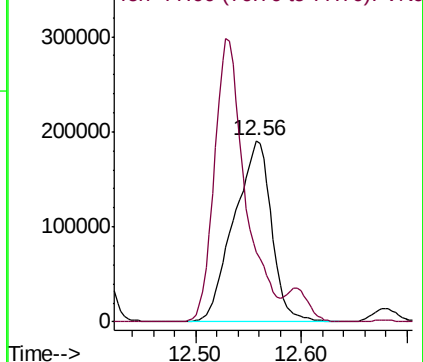
Ion Ratio Lower Upper

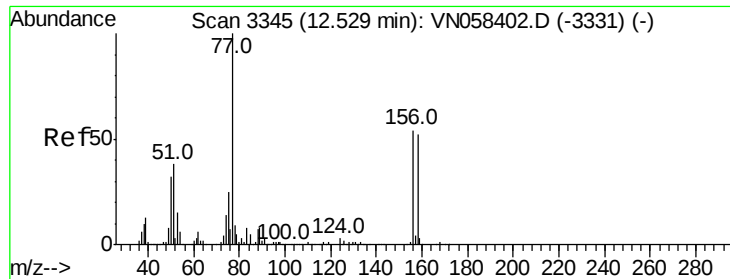
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

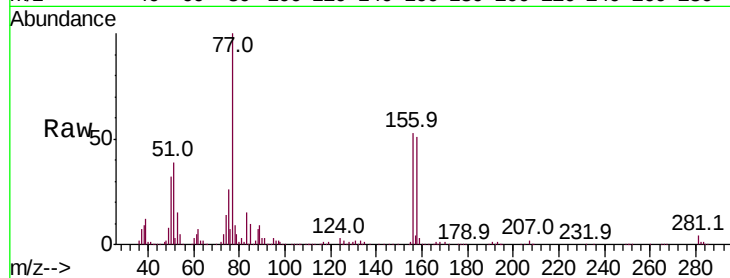




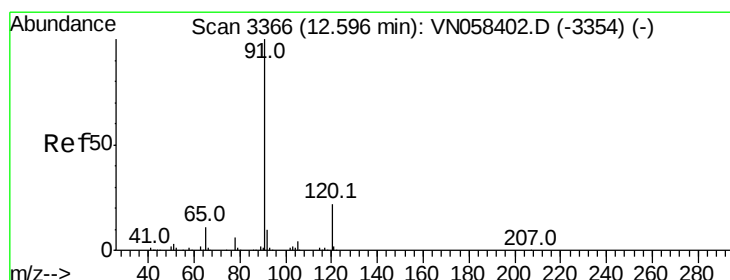
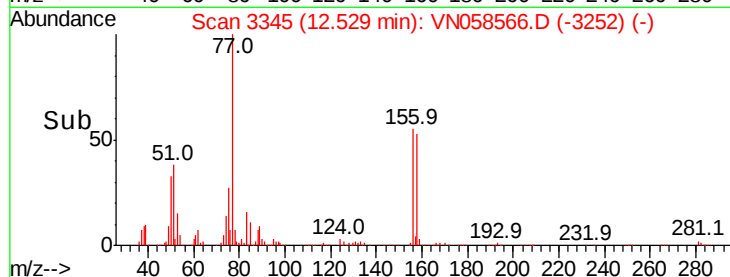
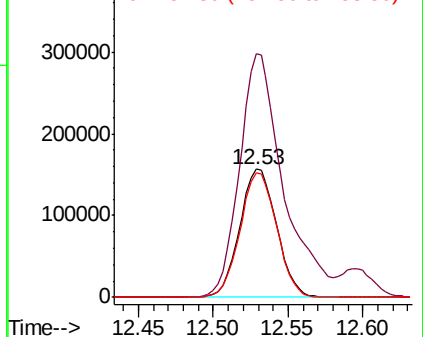
#77
Bromobenzene
Concen: 51.814 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:156 Resp: 268372
Ion Ratio Lower Upper
156 100
77 225.9 110.0 330.0
158 96.6 47.9 143.8

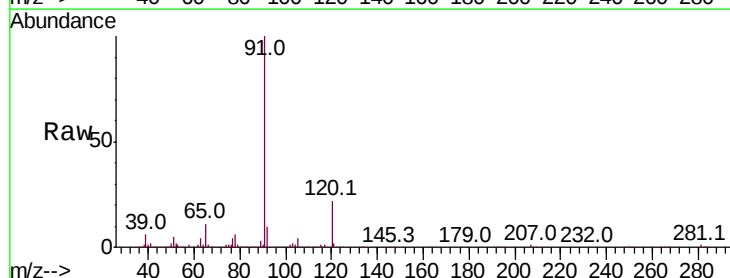


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

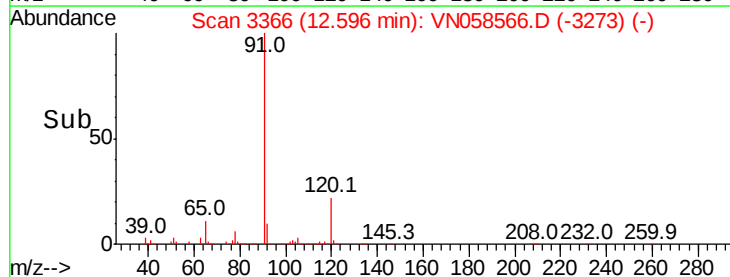
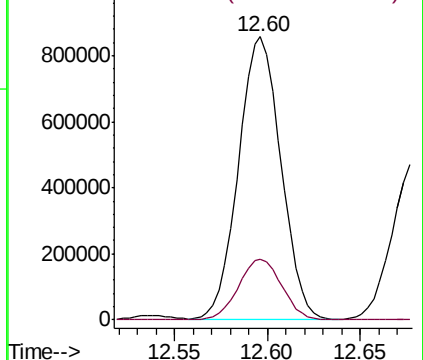


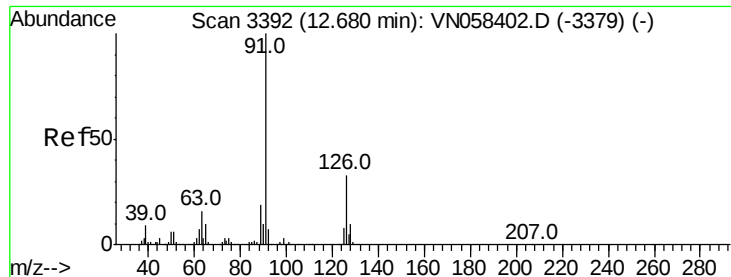
#78
n-propylbenzene
Concen: 54.491 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058566.D
Acq: 7 Oct 2019 14:46

Tgt Ion: 91 Resp: 1356082
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.282 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

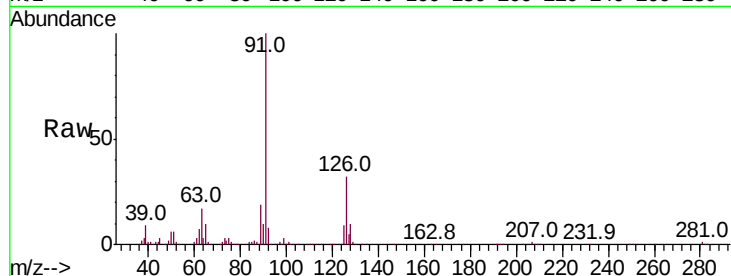
ClientSampleId :

Tot Ion: 91 Resp: 803093

Ion Ratio Lower Upper

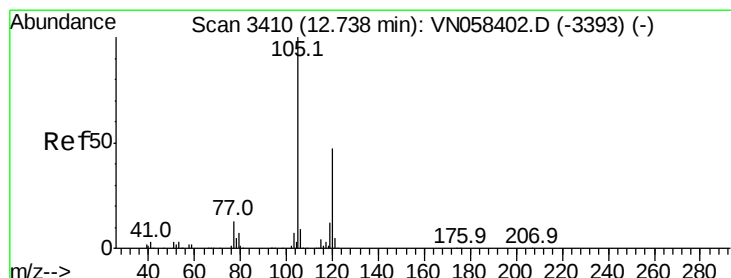
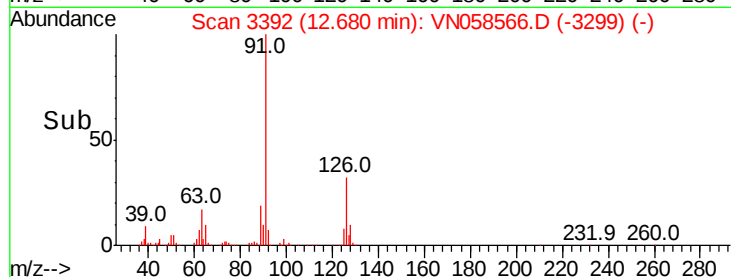
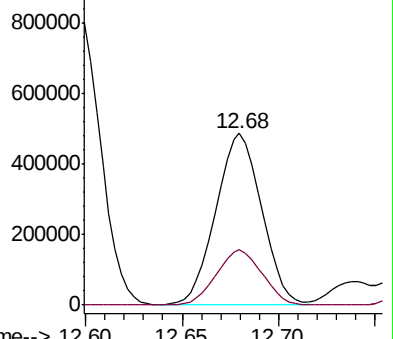
91 100

126 32.5 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.146 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058566.D

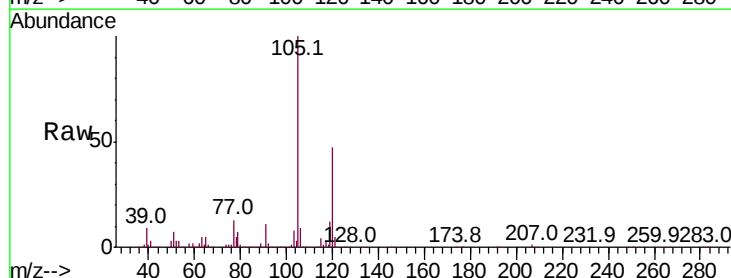
Acq: 7 Oct 2019 14:46

Tgt Ion: 105 Resp: 982728

Ion Ratio Lower Upper

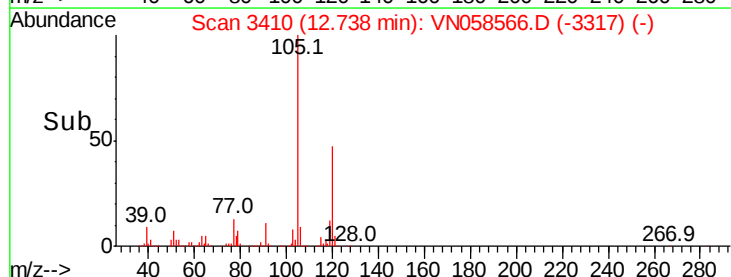
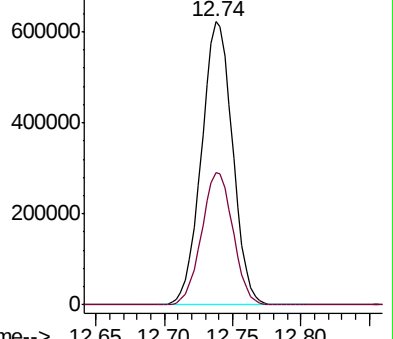
105 100

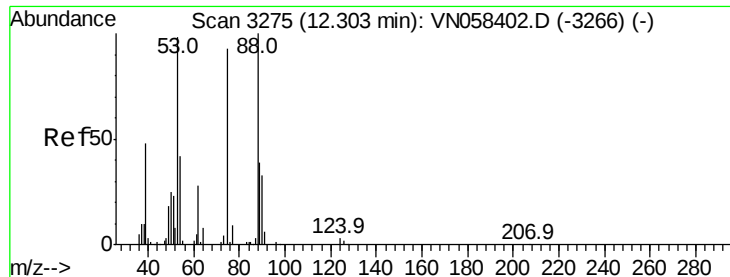
120 47.4 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058402.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 63.231 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

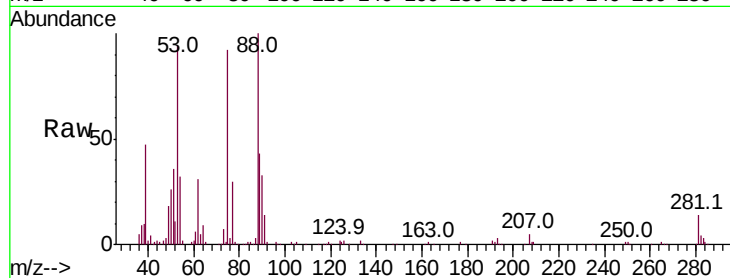
Tot Ion: 75 Resp: 113662

Ion Ratio Lower Upper

75 100

53 101.3 85.4 128.0

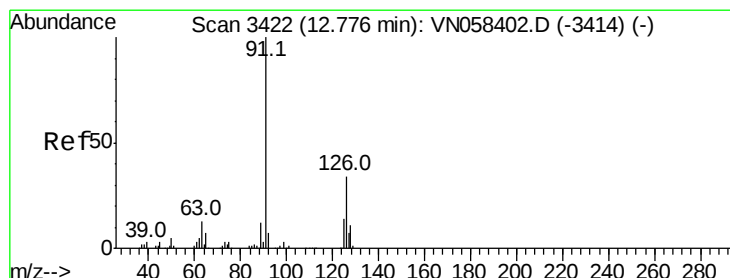
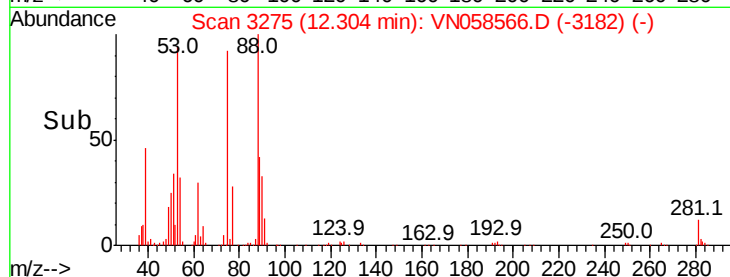
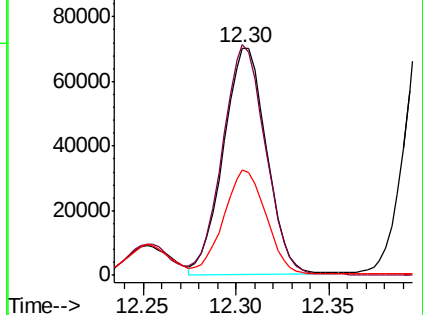
89 45.1 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.199 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058566.D

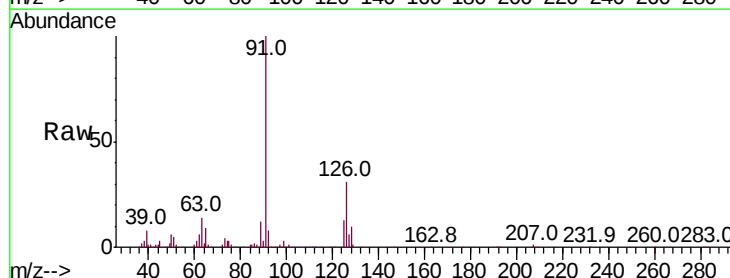
Acq: 7 Oct 2019 14:46

Tgt Ion: 91 Resp: 833841

Ion Ratio Lower Upper

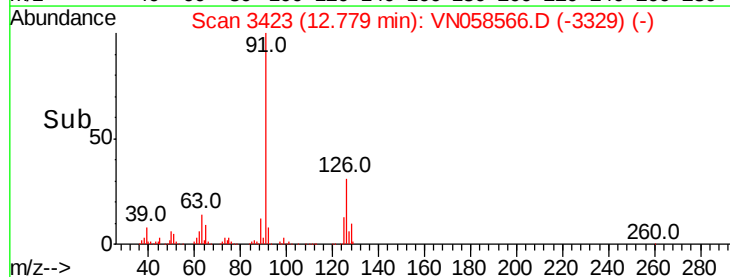
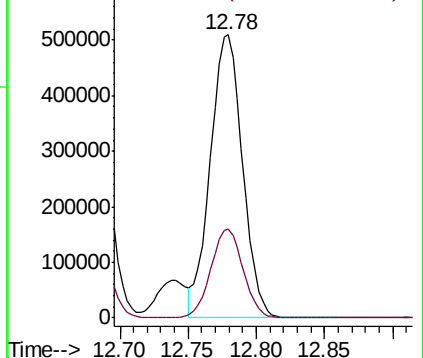
91 100

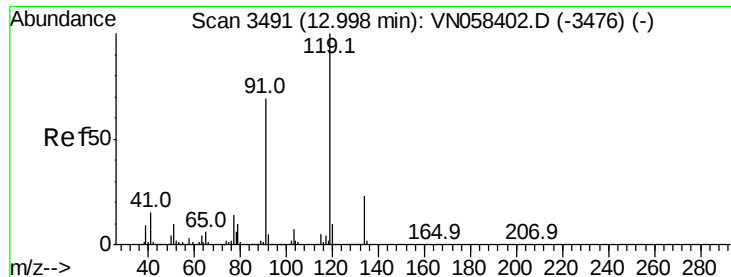
126 31.3 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.579 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

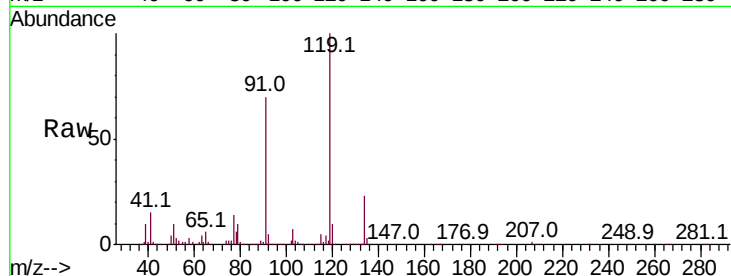
Tot Ion:119 Resp: 820401

Ion Ratio Lower Upper

119 100

91 68.6 34.2 102.6

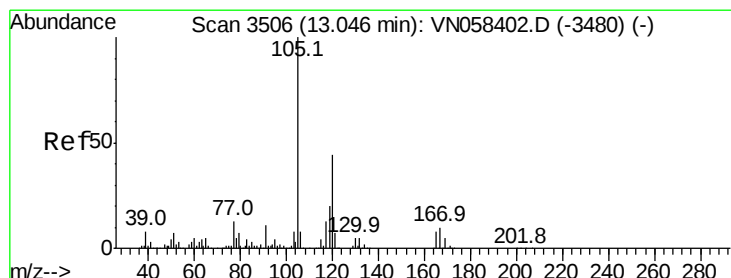
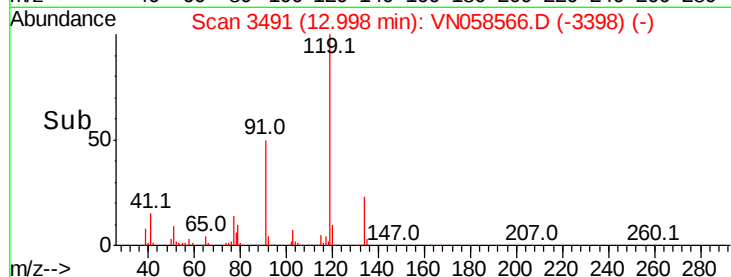
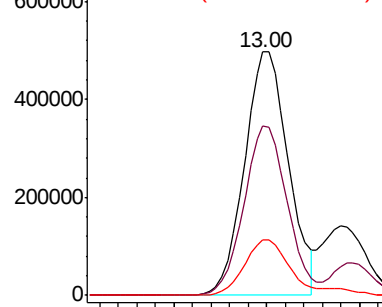
134 23.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.106 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058566.D

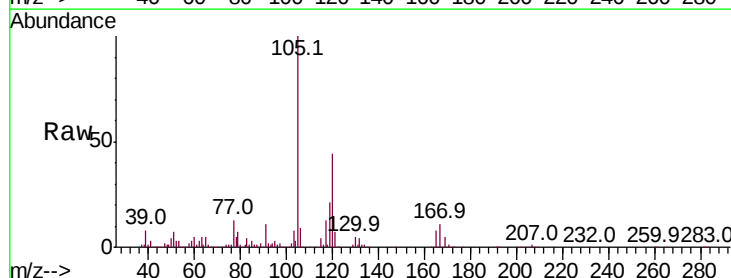
Acq: 7 Oct 2019 14:46

Tgt Ion:105 Resp: 983871

Ion Ratio Lower Upper

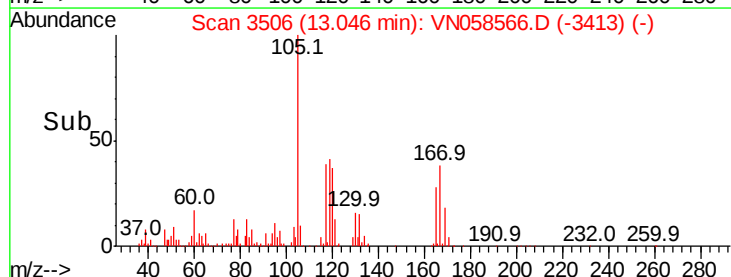
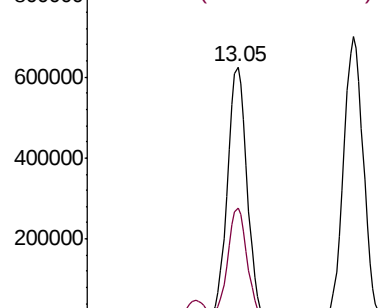
105 100

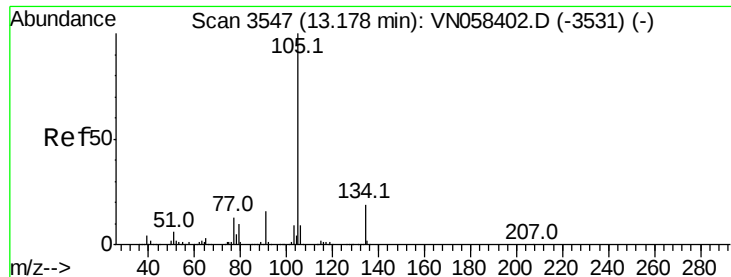
120 43.8 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.808 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

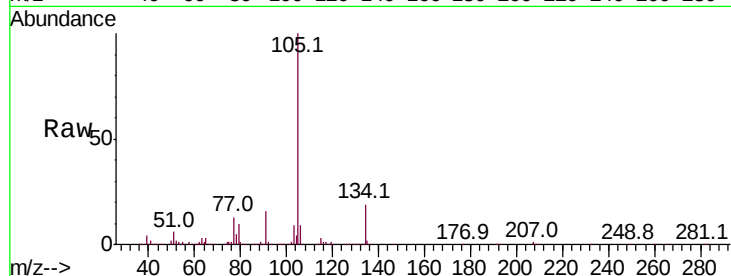
ClientSampleId :

Tot Ion:105 Resp: 1105038

Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

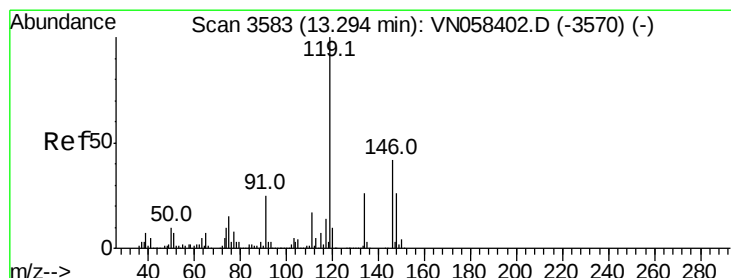
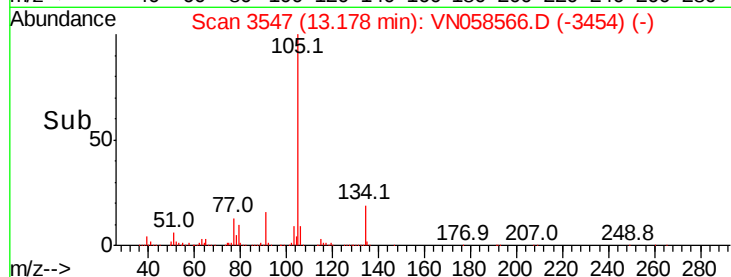
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 55.273 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

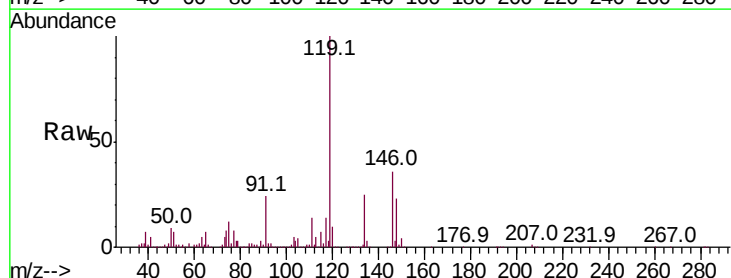
Tgt Ion:119 Resp: 999198

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.6 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

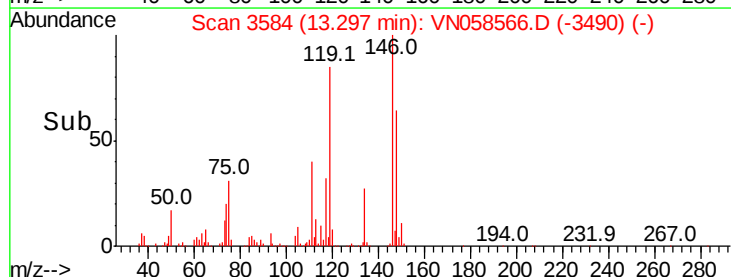
400000

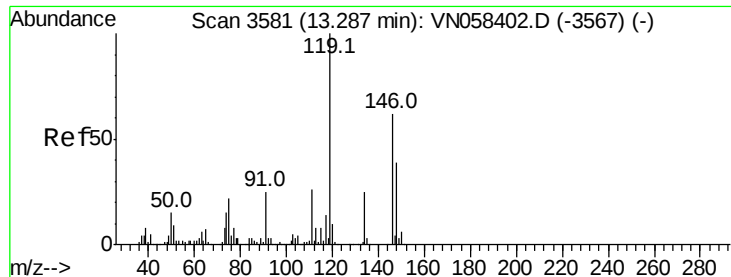
200000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.104 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058566.D

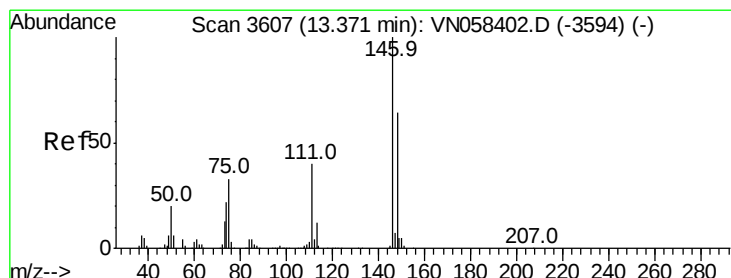
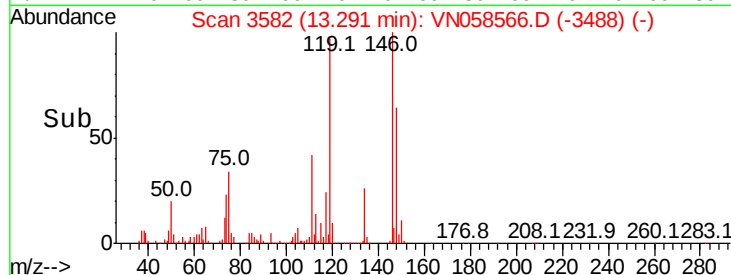
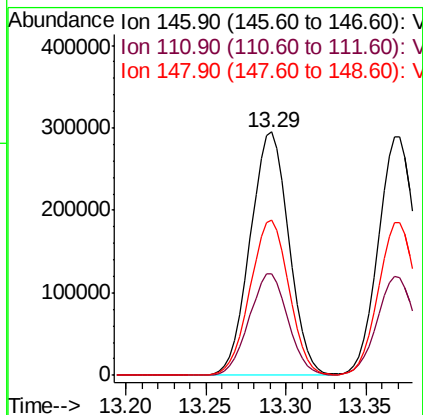
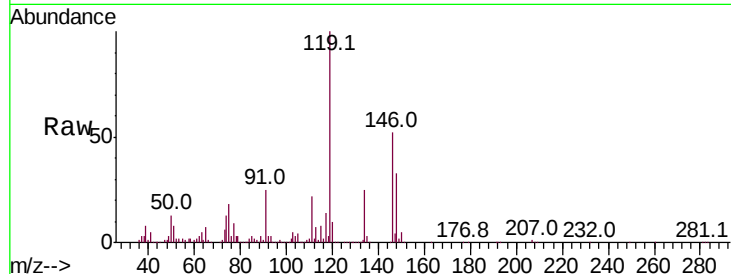
Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	489351
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.1	31.4	94.3



#88

1,4-Dichlorobenzene

Concen: 51.517 ug/l

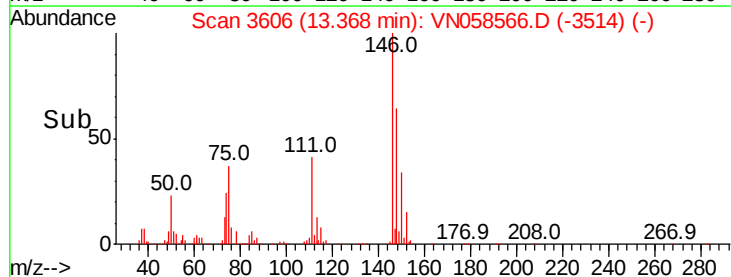
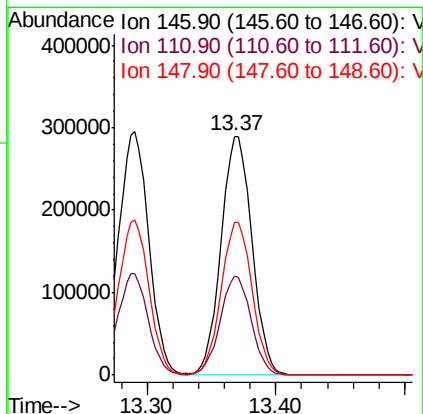
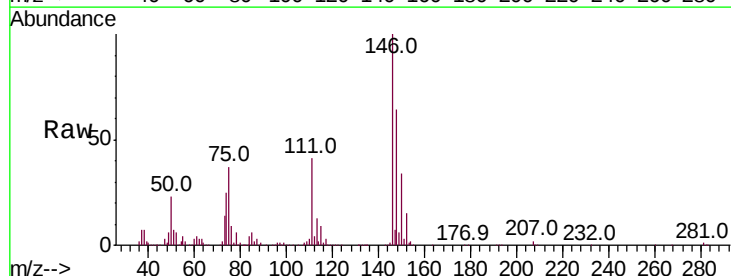
RT: 13.37 min Scan# 3606

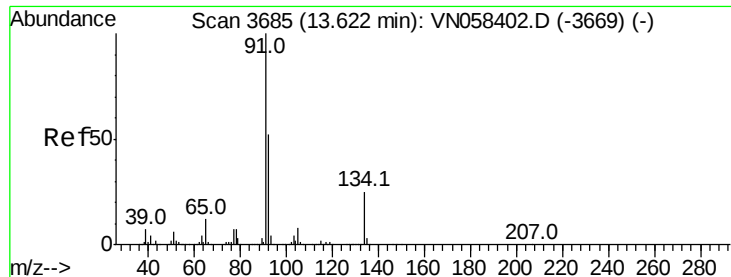
Delta R.T. -0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Tgt Ion:	146	Resp:	481390
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	64.0	31.5	94.5





#89

n-Butylbenzene

Concen: 55.380 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

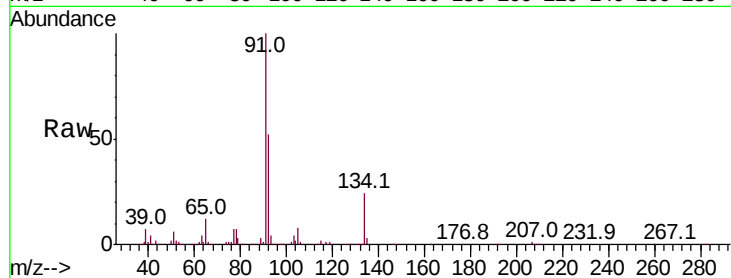
Tot Ion: 91 Resp: 906860

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.1

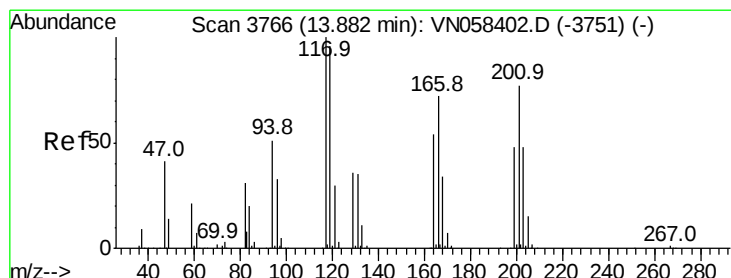
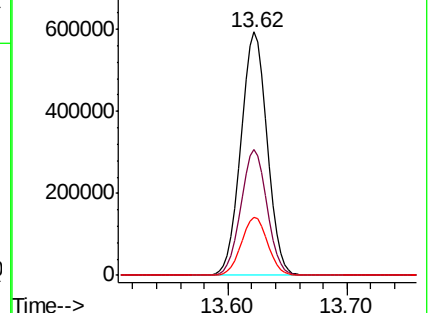
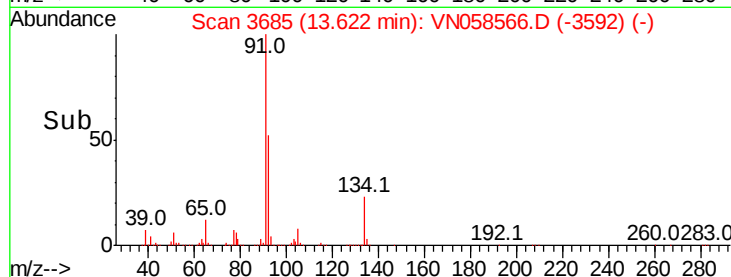
134 24.1 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058566.D (-3685) (-)

Ion 92.00 (91.70 to 92.70): VN058566.D (-3685) (-)

Ion 134.00 (133.70 to 134.70): VN058566.D (-3685) (-)



#90

Hexachloroethane

Concen: 63.155 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058566.D

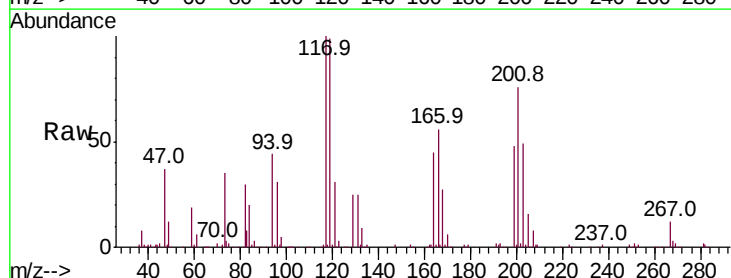
Acq: 7 Oct 2019 14:46

Tgt Ion: 117 Resp: 171535

Ion Ratio Lower Upper

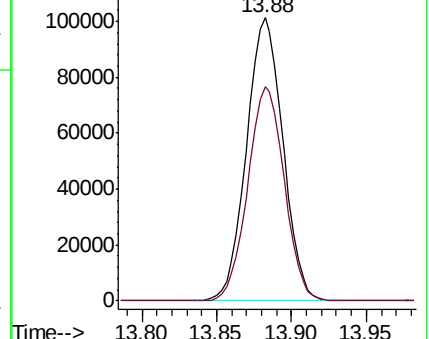
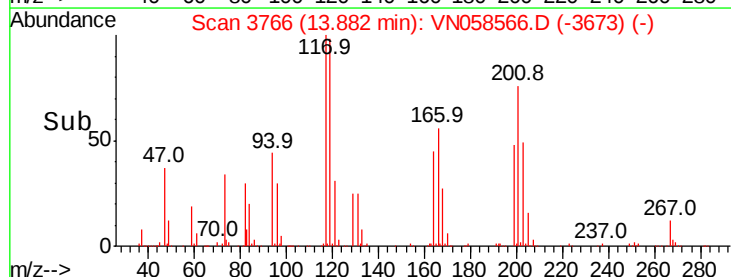
117 100

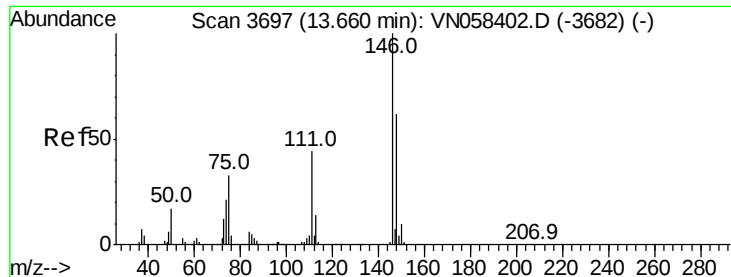
201 75.6 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058566.D (-3766) (-)

Ion 200.70 (200.40 to 201.40): VN058566.D (-3766) (-)





#91

1,2-Dichlorobenzene

Concen: 53.537 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

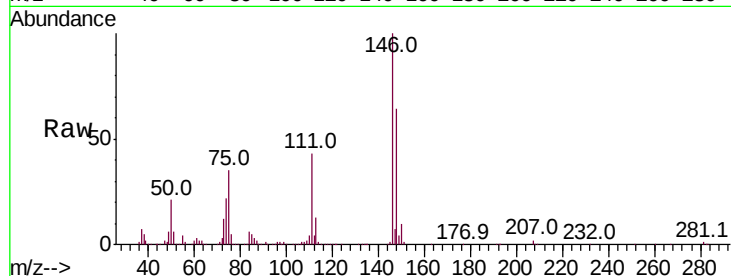
Tot Ion:146 Resp: 483121

Ion Ratio Lower Upper

146 100

111 43.7 21.8 65.3

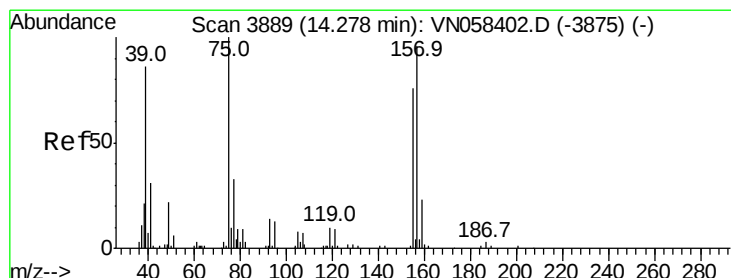
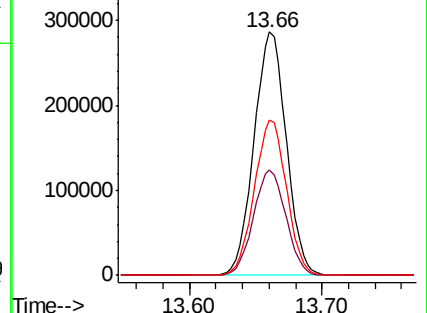
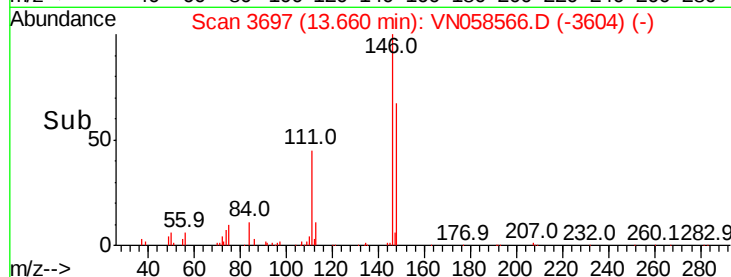
148 63.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 62.064 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

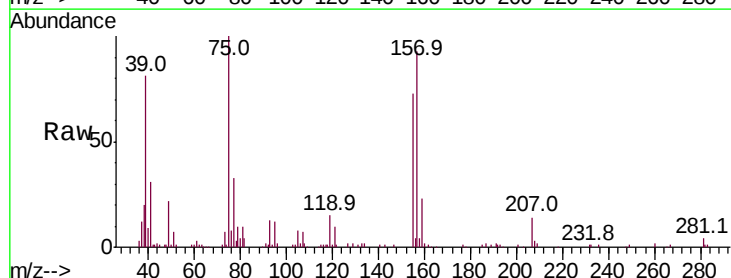
Tgt Ion: 75 Resp: 71490

Ion Ratio Lower Upper

75 100

155 74.6 39.2 117.6

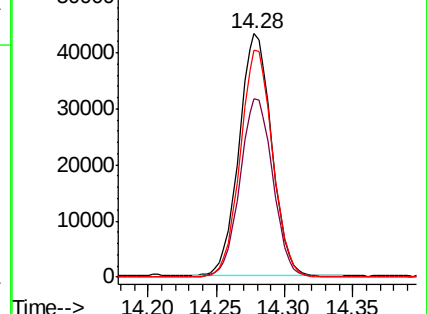
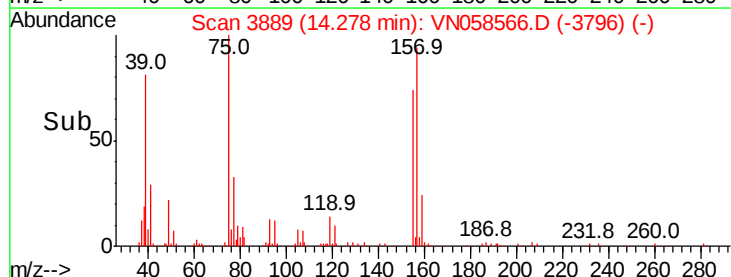
157 92.9 48.7 146.1

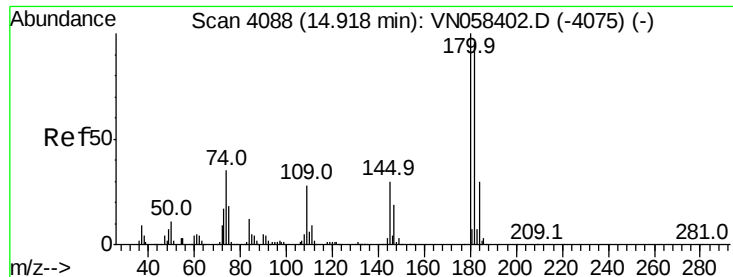


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

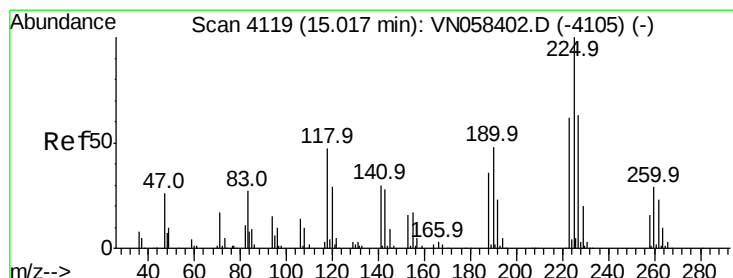
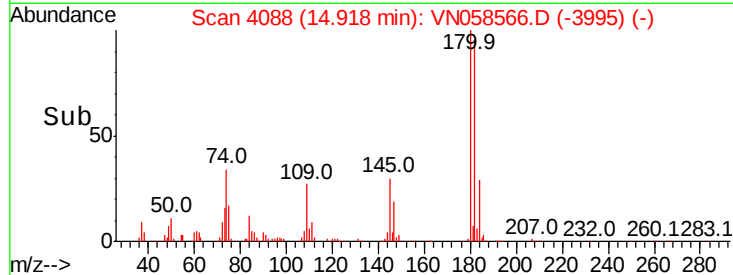
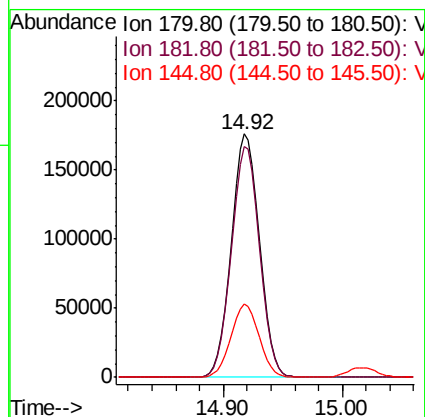
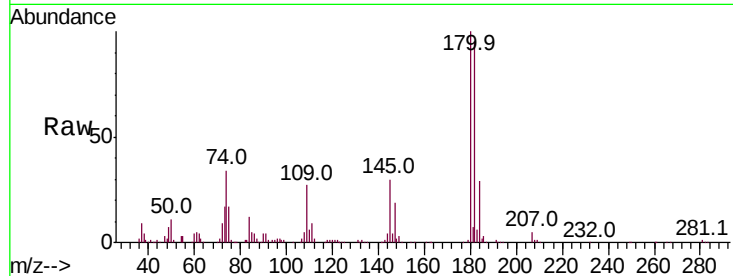




#93
 1,2,4-Trichlorobenzene
 Concen: 57.811 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

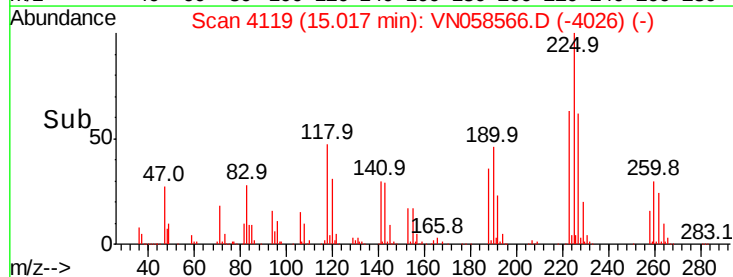
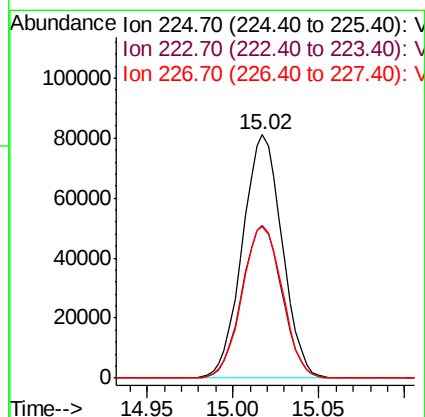
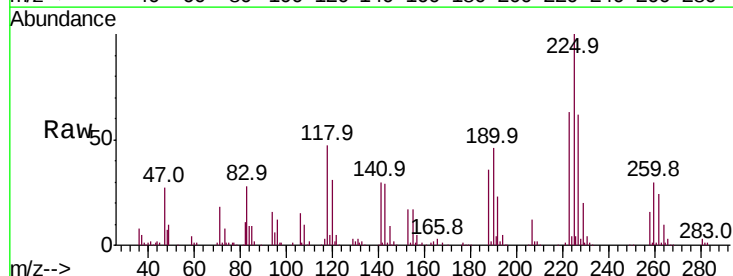
Instrument :
 MSVOA_N
 ClientSampleId :

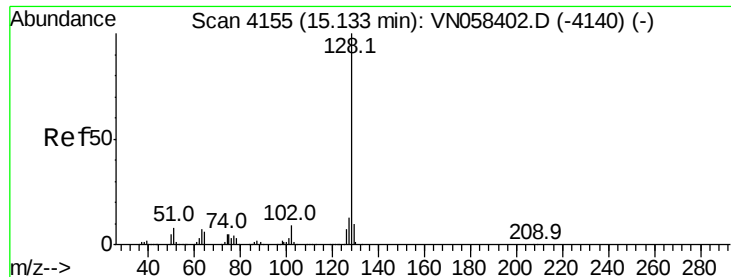
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	30.3	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 50.736 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058566.D
 Acq: 7 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	63.2	31.4	94.2





#95

Naphthalene

Concen: 54.744 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

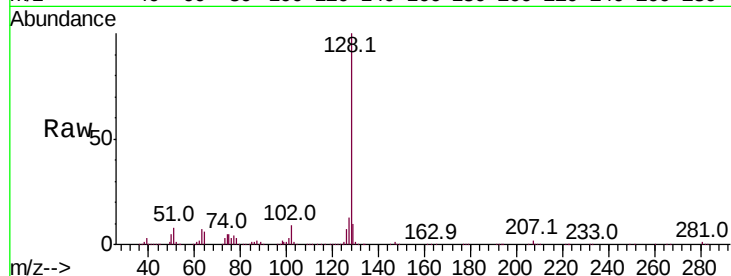
Tot Ion:128 Resp: 799412

Ion Ratio Lower Upper

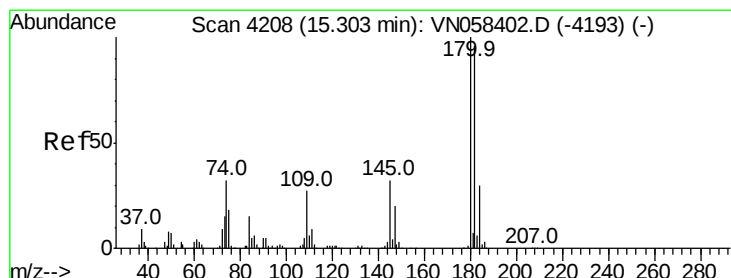
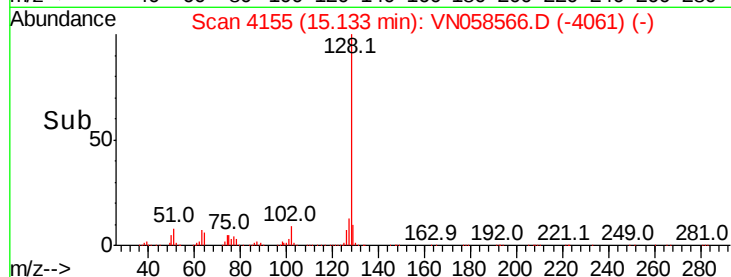
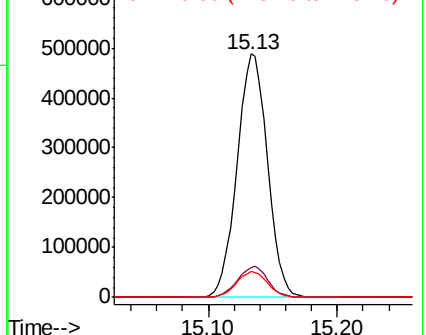
128 100

127 12.6 10.2 15.4

129 10.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.659 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058566.D

Acq: 7 Oct 2019 14:46

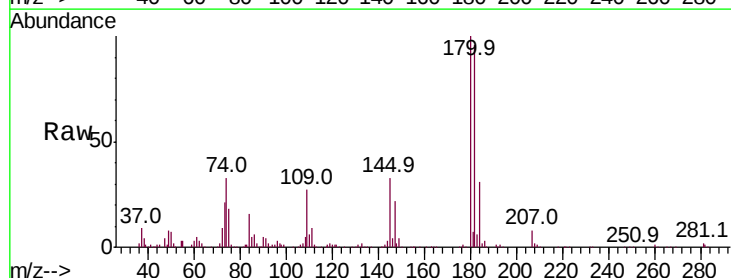
Tgt Ion:180 Resp: 263257

Ion Ratio Lower Upper

180 100

182 94.7 48.3 144.9

145 32.8 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

